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BULBS, PLANTS, ROSES, FRUIT STOCKS



*CROCUS
IN THE LAWN*

Routledge
SEED & FLORAL CO.
145-147, 2ND ST. PORTLAND ORE

ROUTLEDGE SEED & FLORAL CO.'S

Catalog of Bulbs, Plants, Roses, Trees, Etc.

Fall of 1921 — Spring of 1922

FLOWERING BULBS.—We pride ourselves on the high quality of stocks we offer in this catalog. Our Flowering Bulbs come from the most reliable growers in Holland, France and Japan. We buy the highest grade bulbs, for it is the only stock that is highly satisfactory. The large, round, properly matured bulbs we offer are far superior to most stocks imported. A trial will convince you.

ROSES, PLANTS, TREES AND VINES.—Oregon is famous for its wonderful Roses and Nursery Stock. Our strong, well-rooted, healthy stock transplants with much less loss and is superior in every way to the California or Eastern grown stock. We know from years of experience.

LOWER PRICES.—By comparing prices in this catalog with those of last year you will see that prices are much lower, especially on flowering bulbs. We are mighty glad to be able to make lower prices and they ought to stimulate buying and enable planters to buy larger quantities. While all prices are not as low as pre-war prices, we do not believe they ever will be.

WHO PAYS THE CHARGES? READ THE FOLLOWING

By Parcel Post

FLOWERING BULBS.—On all cash orders at prices in this catalog we will **PREPAY CHARGES** by parcel post, express or freight (our option) on **ALL FLOWERING BULBS** or **ROOTS UNLESS OTHERWISE SPECIFIED.**

The above rule applies to the states of Oregon, Washington, California, Idaho and Montana. Customers ordering from other states must add postage if wanted by mail.

By Freight or Express

.. We **DO NOT** at catalog prices pay freight or express charges on any stock we offer, unless so stated; therefore, take note of the following paragraph:

HARDY FLOWERING SHRUBS, SMALL FRUIT, BERRY and ORNAMENTAL SHRUBS and PLANTS, CLIMBING VINES and 2-YEAR-OLD ROSE BUSHES can be sent by parcel post if necessary, but be sure you send extra money for packing and postage. Postage and packing charges will be specified on the different pages.

NOT MAILABLE.—Plants in pots, large, branching shrubs, Evergreens of all kinds, that must be balled in earth, Fruit and Shade Trees over 1 year old and taller than 3 feet cannot be sent by parcel post.

PREPAY STATIONS.—When you send in orders to go by freight or express be sure you send extra money to pay the transportation charges if your station is a prepay point, which is always the case where there is no regular agent. If you send more than enough, we will refund it as soon as we get the prepay bill. If not enough, we will write for the balance and expect you to remit promptly.

OUR TERMS ARE STRICTLY CASH—NO C. O. D. SHIPMENTS.—The proper remittance must in all cases accompany the order. Send money by bank draft, postoffice or express money order. We will not be responsible for stamps or coin sent in unregistered letters.

OUR GUARANTEE.—We guarantee all Seed, Plants, Bulbs and Nursery Stock true to name and will replace free (with stock of the original value only) any that may through some unavoidable error prove otherwise. We guarantee all stocks to reach our customers in first-class, live, growing condition, but further than this we give no warranty, express or implied, that it will grow and thrive. Any fair-minded person knows that its success thereafter is dependent on soil, weather, care and other conditions over which we have no control. All orders filled subject to above conditions only.

ROUTLEDGE SEED & FLORAL COMPANY.

How to Plant and Raise Flowering Bulbs in Pots

The most fascinating, desirable and easiest flower to grow in pots for winter blooms inside or early spring flowers in the yard. You'll be successful if you follow our suggestions.

We supply Flower
Pots, good earth,
also Fancy Jar-
dinieres.



Watch the Transformation
"from brown bulbs into beautiful flowering
plants."

Get a dozen inexpensive Bulb pans or pots, fill with rich sandy loam, and plant one to three bulbs in each. Pots are better than boxes for inside.

You can grow Hyacinths and Narcissus in water in bulb vases or fancy dishes.

Making the Roots Grow

After planting in soil or bulb fibre, water well and set away in a cool, dark cellar or closet for four to six weeks to make the roots grow. Good roots are very necessary to produce choice blooms.

After the bulbs have made good roots, bring up two or three pots at a time, and set in a warm, sunny window to produce top growth. Water well with lukewarm water and don't let them dry out. Insects do not trouble flowering bulbs.

They Beautify Your Home



Don't let them
get dry.



If you leave the bulbs in the light, the tops grow before the roots, thereby making poor flowers.

They are cheerful, bright and fragrant and last well. A good assortment will produce continuous blooms from Christmas to May.

Grow Winter Flowers in Your Window and Porch Boxes

Fill your porch and window boxes with Tulips, Hyacinths, or Narcissus. They are perfectly hardy and need no care. They will be through blooming in time to remove for Geraniums and summer flowering plants.

Plant Crocus here and there over the lawn. They are very pretty and effective.

Dutch Bulbs bloom early when other flowers are scarce. Plant a bed of the brilliant and beautiful Tulips this fall.

Cultural Directions for Outdoor Planting Free with Every Order

HYACINTHS

The Hyacinth is one of the most popular and beautiful spring flowering plants for indoor and outdoor decorations. By careful management in keeping up a succession, they may be had in flower from the beginning of winter to the end of May. For a spring display in the open ground they are unexcelled. Brilliant effects can be obtained by massing different colors in varieties that grow about the same height and bloom at the same time. We furnish very large numbers for this purpose to public parks and cemeteries and we shall be pleased to recommend to anyone suitable sorts, when desired.

R. S. & F. Co.'s Extra Select Choice Mixed Hyacinths

Our choice mixtures of hyacinths are unexcelled for use where an effective display is wanted in the open air and are of such superior quality as to be entirely satisfactory to florists and others who use large quantities for forcing in pots or bulb pans. They comprise the finest shades of color and must not be confounded with the cheap mixtures sometimes offered for outdoor planting.

Your choice of the following colors:

Rose and Pink, Dark Red, Pure White, Blush-White, Dark Blue, Light Blue, Yellow or all colors mixed.

Prices: Each 10c; doz. \$1.00; 100 \$7.00

FRENCH ROMAN HYACINTHS

Slender and graceful, about one-half the diameter of ordinary Hyacinths. These French Romans are the earliest bloomers of all fall bulbs, and may be readily grown by the most inexperienced in pots of soil or in water and pebbles.

Each bulb produces several very graceful flower spikes. The delicious perfume, earliness and profusion of blooms have made Roman Hyacinths exceedingly popular. They are so easily grown and so popular that if potted early they can be brought into flower in December. Plant 6 bulbs in a six-inch pot. White only. 3 for 40c; doz. \$1.50



Single Hyacinth

MINIATURE OR DUTCH ROMAN HYACINTHS

These little single Dutch Hyacinths are excellent for growing in pots, earthen pans or boxes. They bloom early and freely. Plant from six to twelve bulbs in a shallow pot or pan and give them the same care and attention as other hyacinths. They can be panted close together in beds out of doors, producing a charming effect.

ALL COLORS—Mixed Each 6c; doz. 60c; 100 \$4.50
SEPARATE COLORS—In shades of White, Blue, Pink or Red.... Each 7c; doz. 75c; 100 5.00
NAMED VARIETIES—Pink, Light Blue, Dark Blue, Red or White.. Each 8c; doz. 85c; 100 6.00

SELECT DOUBLE-NAMED HYACINTHS

All Selected Top Size Bulbs. Price Each 25c; Doz. \$2.50

Double Hyacinths are not as popular as the single-belled varieties, for as a class the "doubles" although their individual bells are large and beautiful they do not make as well-filled trusses. For this reason we confine our list of varieties to a few of the very best.

BLOKSBERG—Pale porcelain blue with darker shadings; semi-double; very pretty.

CHESTNUT FLOWER—Fine light rose or pink with deeper shadings; bells very large.

GARRICK—Bright blue, large spike of double bells.

LA GRANDESSE—Pure white, fine large bells, unsurpassed for beauty and size.

PRESIDENT ROOSEVELT—Deep rose or red; produces a fine large flower spike.

SELECT SINGLE-NAMED HYACINTHS

Our selected named Hyacinths are the cream of the Holland nurseries and are offered under their original names. For forcing in pots or for outdoor beds they are unsurpassed. **Note**—The single-flowered varieties are generally more effective and better for forcing than the double ones.

PRICES—We offer three grades in the following choice named kinds

EXHIBITION—TOP SIZE—These represent the pinnacle of perfection in hyacinth evolution; the newest, choicest and best productions of Holland's famous hyacinth breeders. We unreservedly recommend them to all who want some superlatively fine hyacinths for winter flowering in the house or for exhibition. The bulbs are all of "top-root" size, a grade higher than Mammoths or Firsts, which in Holland means the pick of the crop.

PRICES: EACH 20c; DOZ. \$2.25

FIRST SIZE—The most popular grade; bulbs are large, heavy and solid, insuring very fine spikes of flowers; equal to the Mammoth grade offered by many.

PRICES: EACH 15c; DOZ. \$1.50; 100 \$10.00

SINGLE PURE WHITE

ARENTE ARENSEN—Early pure white open petals; extra good.

LA GRANDESSE—The most showy pure white, fine bells; extra for Exhibition.

L'INNOCENCE—Pure white, large truss; the best all round white Hyacinth for all purposes; forces well and is equally good for bedding.

SINGLE RED—ROSE—PINK

LA VICTOIRE—Brilliant carmine rose, very fine spike, extra for Exhibition; when forced, the color of this variety is not so deep as when grown out of doors.

MORENO—Improved form of Norma; the spike is much larger, greater number of bells and of a beautiful, rich pink; extra.

QUEEN OF THE PINKS—Beautiful rosy pink, extra fine bells and long spike; new.

ROSY GEM—Deep rose, fine large bells, beautifully formed flowers.

ROBERT STEIGER—Bright crimson, large, waxy flowers, extra fine trusses, early bloomer and one of the brightest colors.

SINGLE DARK AND LIGHT BLUE

DUKE OF WESTMINSTER—Deep purplish blue, large bells with white center; extra.

ENCHANTRESS—Pale porcelain tinted lilac, light center, handsome spike, distinct; fine for Exhibition.

GRAND MAITRE—Deep lavender blue; large, compact truss with very dark stem, which contrasts beautifully with the color of the bells.

KING ALFRED—Large bells, fine lilac blue-shaded plum-purple, lighted up towards the center; extra.

QUEEN OF THE BLUES—Pale azure-blue, large spike; very beautiful and showy.

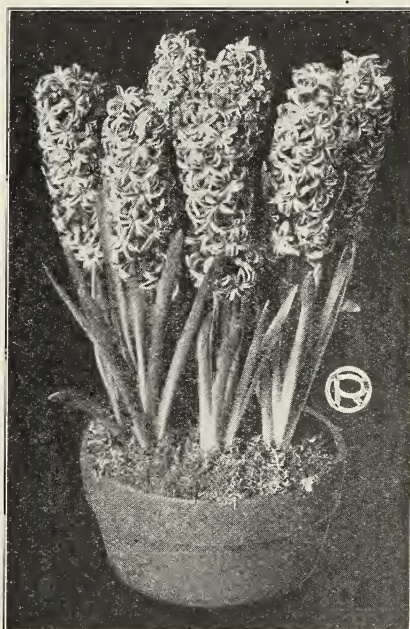
SINGLE YELLOW

CITY OF HAARLEM—Pure yellow, large truss, extra fine; Exhibition variety.

***YELLOW HAMMER**—Pure golden yellow; early; beautifully formed flowers; highly recommended.

BULB FIBER

This is a prepared article to use in place of ordinary soil. It is very successful. Use it exclusively when potting bulbs. Read about it. See page 46.



Single Hyacinths (Pot Grown)

See prices top of this page

PREMIUMS—No matter what you are buying, the only premium worth your consideration is **QUALITY**. "OUR MOTTO" is "HIGHEST QUALITY," first, last and all the time, "price" as low as possible.

SINGLE EARLY TULIPS

HOLLAND GROWN, "HIGHEST QUALITY"—FIRST SIZE

No other flower excels the Tulip in beauty of form, brilliancy of color, effective bedding and gorgeous show. They are equally desirable for bedding as well as for pot culture indoors. For outdoor bedding, the most brilliant effect can be produced by massing colors which contrast well. Our list of named varieties is very complete, special care being taken to offer but the choicest sorts.

All our bulbs have been carefully hand picked and should prove of superior size and quality.

Cultural Directions Free with Each Order

TAKE NOTE—The figures 1, 2, 3, etc., following the varieties indicate their earliness of bloom; the 1s flower together and are the earliest; 2s follow before the 1s are out of bloom, etc. The height is indicated by "D" for dwarf; "M" for medium, and "T" for tall, to aid in arranging flower beds.

FINEST SINGLE MIXED

This mixture contains all colors and shades, and is very fine for bedding.

Each 5c; doz. 50c; 100 \$3.25

RED AND YELLOW

GRAND DUC (Keizerskroon) (2T)—The king of the bedding tulips and a good forcer. The color is clear scarlet with a broad pure yellow edge; mammoth flowers on long stems; a very showy variety.

Each 6c; doz. 60c; 100 \$4.50

RED—SCARLET

CRIMSON BRILLIANT (1M)—Deep crimson scarlet; very large and showy; a fine bedder and forcer; better than Crimson King.

Each 6c; doz. 60c; 100 \$4.75

BELLE ALLIANCE (Waterloo) (2M)—True, large scarlet, sweet-scented flowers; fine forcer and bedder.

Each 6c; doz. 60c; 100 \$4.75

SIR THOMAS LIPTON (Royal Scarlet) (2T)—Rich, glossy, brilliant scarlet; the finest of its color, and of remarkable size and substance, lasting a long time.

Each 7c; doz. 75c; 100 \$5.25

YELLOW

CHRYSOLOREA (2D)—Pure golden yellow; very large and handsome; one of the best; good bedder.

Each 6c; doz. 60c; 100 \$4.50

GOLD FINCH (2M)—Pure yellow, sweet-scented; forces easily and early; stands well; a good bedding sort; improvement over Yellow Prince.

Each 6c; doz. 60c; 100 \$4.50

GOLDEN QUEEN (2T)—The finest golden-yellow; pure in color; flowers very large, of globular shape.

Each 7c; doz. 75c; 100 \$5.50

WHITE

LADY BOREEL (2M)—Large flowers of purest white; a grand tulip for forcing, also for bedding.

Each 7c; doz. 75c; 100 \$5.00

WHITE HAWK (Albion) (1M)—One of the finest pure white tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance.

Each 7c; doz. 75c; 100 \$5.50

WHITE SWAN (2T)—Tall variety; one of the best true pure whites; egg-shaped flower.

Each 6c; doz. 60c; 100 \$4.50



PINK

PINK BEAUTY (2M)—Rich, glowing cerise-pink, with white flush outside; a magnificent sort of heavy texture, lasting a long time in perfect condition.

Each 7c; doz. 75c; 100 \$6.25

COTTAGE MAID (1M)—Bright pink, featured with white, base of petals cream. A charming variety.

Each 6c; doz. 60c; 100 \$4.50

GRIS DE LIN (1M)—A fine, delicate rose, flushed white; excellent forcer and bedder; a very pretty and showy tulip.

Each 6c; doz. 60c; 100 \$4.50

ORANGE

FRED MOORE (2M)—Deep orange; a very lovely color; splendid forcer.

Each 6c; doz. 60c; 100 \$4.50

PRINCE OF AUSTRIA (2M)—Orange red, very fragrant, extra fine for forcing and cutting.

Each 7c; doz. 75c; 100 \$5.25

NOTE—Not less than six of any one variety at dozen rates or 50 at the 100 rate.

SELECT DOUBLE TULIPS

Double Tulips have massive flowers of brilliant and varied colors, shades and markings, and being double, the flowers last much longer in bloom than single varieties. They flower about ten days later than the single sorts, and are beautifully adapted for beds on the lawn, in the garden and for mingling in clumps of half a dozen or more around the edges of shrubbery. The early sorts (those indicated by a *) do splendidly when grown in pots for winter blooming, but should be forced slower than Single Early Tulips by keeping them cooler.

EARLY DOUBLE MIXED—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting.

Each 6c; doz. 60c; 100 \$4.00

***COURONNE D'OR**—Crown of gold, rich golden yellow, shaded orange; a fine garden variety and the best double yellow for forcing.

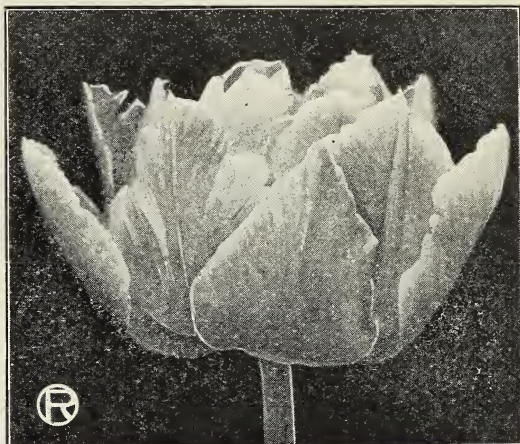
Each 7c; doz. 75c; 100 \$5.25

***BOULE DE NEIGE**—Magnificent large peony-like flowers of pure white; forces splendidly.

Each 6c; doz. 60c; 100 \$4.75

***MURILLO**—Magnificent bluish white, shaded rose, large, full double flowers; the finest double light pink for garden beds and unrivaled for winter flowering, forcing very early.

Each 7c; doz. 75c; 100 \$5.25



Double Tulip

WILLIAM THE THIRD—Bright red; a very large, showy flower; excellent bedder.

Each 7c; doz. 75c; 100 \$5.00

***SALVATOR ROSA**—Beautiful deep rose, flamed with blush; a fine, large, double flower, suitable for either gardens or forcing.

Each 7c; doz. 75c; 100 \$6.00

PARROT TULIPS

These are very curious and remarkable Tulips, belonging to the late or May-Flowering section. The flowers are very large, frequently six or seven inches across, with petals deeply toothed, fringed and twisted in the most striking and fantastic manner. The colors are exceedingly brilliant and showy, crimson and yellow, flaked, dashed and feathered with green, gold and scarlet. Fine for bedding and excellent for cut flowers.

Your choice of varieties, each 6c; doz. 60c;

100 \$4.00

CONSTANTINOPLE—Orange-scarlet with black markings.

CRAMOISIE BRILLIANT—Beautiful crimson red, large flowers; very fine.

LUTEA MAJOR—Yellow, feathered crimson and green; very attractive.

MARKGRAVE—Golden inside, feathered brilliant scarlet. Purple and green on the outside.

PERFECTA—Striped yellow, scarlet and green; large and showy.

PRECIOSA—Red with gold stripes.

Mixed Parrot Tulips

A combination of all sorts; very choice.

Each 5c; doz. 50c; 100 \$3.25



Parrot Tulips

GIANT DARWIN TULIPS

For the Open Ground

The flowers of this superb class may well be called "The Tulip Aristocrats." The remarkably brilliant coloring and splendid substance of their large globular or cup-shaped flowers, their long strong stems and robust growth of plant, make them unsurpassed for May Blooming in the garden. They are ideal for cutting and for borders, beds or planted in small groups among shrubs they are unsurpassed, as they grow to perfection from year to year.

NOTE—Six of any kind at dozen rate; 50 of one kind at 100 rate

BARONNE DE LA TONNAYE—Clear carmine-rose, toning off to a soft pink; large long flower; excellent forcer and bedder.

Each 7c; doz. 75c; 100 \$5.00

CLARA BUTT—A large flower of remarkable beauty; an exquisite shade of soft salmon pink-shaded rose; good forcer.

Each 7c; doz. 75c; 100 \$5.00

EDMEE—Deep cherry rose, silvery pink edges, very beautiful.

Each 7c; doz. 75c; 100 \$5.50

EUROPE—Large globular flower of glowing salmon-scarlet shaded rose; forces well.

Each 7c; doz. 75c; 100 \$5.50

FARNCOMBE SANDERS—Vivid rose-scarlet, with lighter base. Brilliant coloring, very large size and most excellent form; forces.

Each 7c; doz. 75c; 100 \$5.00

LOVELINESS—A finely formed flower of an exquisite shade of satiny rose-pink; forces well.

Each 7c; doz. 75c; 100 \$5.00

PRIDE OF HAARLEM—Magnificently formed flower of immense size; coloring brilliant deep salmon-rose shaded with scarlet; electric blue base; excellent forcer; fine for cutting.

Each 7c; doz. 75c; 100 \$5.50

REV. H. EWBANK—A large, broad flower of silvery lavender shading towards the center into bluish-heliotrope.

Each 7c; doz. 75c; 100 \$5.00

THE SULTAN—Glossy maroon-black; a rich dark shade; a good bedder.

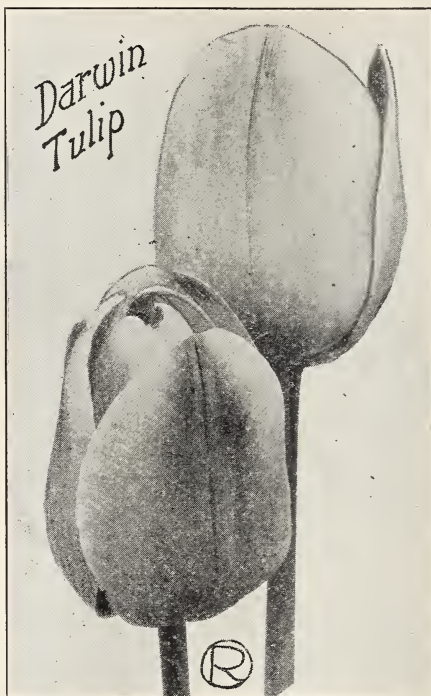
Each 7c; doz. 75c; 100 \$5.00

WHITE QUEEN (La Candeur)—Almost white, slightly tinged blush; a fine bedder and a good forcer.

Each 7c; doz. 75c; 100 \$5.00

YELLOW DARWIN (Inglescombe Yellow)—This cottage variety beds very nicely with the Darwins.

Each 7c; doz. 75c; 100 \$5.00



Mixed Darwin Tulips

GRAND MIXTURE OF DARWIN TULIPS—Great variety of all colors and shades mixed from named varieties.

Each 6c; doz. 60c; 100 \$4.00

BREEDER TULIPS

The Breeders are a most attractive class for the many tulip fanciers who are interested in the revival of the taste for "art colors." The large flowers are self colored in dull or soft tones of buff, bronze or purple and among them will be found some of the most splendid and beautiful of all large, long stemmed tulips.

GERARDA (Terra Cotta)—Brown outside, golden orange inside.

Each 6c; doz. 60c; 100 \$4.50

GRAND MAITRE—A distinct and beautiful deep purplish violet.

Each 6c; doz. 60c; 100 \$4.50

JAUNE D'OEUP (Sunrise)—Beautiful golden, outside petals shaded apricot; very pleasing.

Each 7c; doz. 75c; 100 \$5.00

MEDEA—Enormous flowers, crushed strawberries, shaded heliotrope, yellow center.

Each 7c; doz. 75c; 100 \$5.00

PRINCE OF ORANGE (Sunset)—Terra-cotta with a beautiful orange edge; very rich and fine.

Each 8c; doz. 85c; 100 \$6.50

SABRINA—Fine coffee brown with narrow edge of golden brown; rare.

Each 8c; doz. 85c; 100 \$6.50

YELLOW PERFECTION—A rich bronze yellow, shaded deep yellow; a lovely rich color.

Each 8c; doz. 85c; 100 \$6.50

Mixed Breeder Tulips

This is a splendid mixture of over 50 named sorts, many rich and rare colors.

Each 5c; doz. 50c; 100 \$3.50

Darwin's and Breeders' "The Tulip Aristocrats." Plant liberally

COTTAGE GARDEN OR MAY-FLOWERING TULIPS

This beautiful class has become very popular. They are quite distinct from the early-flowering sorts, coming into bloom two or three weeks later and remaining in bloom much longer. On account of their extreme hardiness, they are specially adapted for the permanent hardy flower border, clumps or masses, wild gardens, etc. For bedding they are superb, while as cut flowers they are much to be preferred to the earlier type, having long stems with flowers of great substance.

CALEDONIA—Brilliant orange-scarlet, center yellow, marked blackish green; large cup-shaped flowers; very striking.

Each 7c; doz. 75c; 100 \$5.00

FAIRY QUEEN—A very large and beautiful flower of rosy heliotrope, broadly margined with yellow.

Each 7c; doz. 75c; 100 \$5.00

GESNERIANA SPATHULATA MAJOR—Superb, very large, of an intense brilliant crimson-scarlet with glittering blue-black center. No words or picture can begin to do this Tulip justice. It should be planted in generous quantity.

Each 7c; doz. 75c; 100 \$5.00

GESNERIANA LUTEA—This fine golden yellow variety has all the merits of the scarlet sort.

Each 7c; doz. 75c; 100 \$5.00

INGLESCOMB PINK—Beautiful large egg-formed flowers of bright rose-pink with a salmon sheen.

Each 7c; doz. 75c; 100 \$5.00

INGLESCOMB YELLOW—A large globular flower of perfect form; color full rich yellow; often called the "Yellow Darwin."

Each 7c; doz. 75c; 100 \$5.00

ORANGE KING (22 inches)—A grand large globular tulip of glowing orange with rosy tinge; center yellow; fragrant.

Each 7c; doz. 75c; 100 \$5.00

PICOTEE (Maiden's Blush) (24 inches)—Pure white, daintily edged with pink, which suffuses the entire flower as it ages; a beautiful cut flower.

Each 7c; doz. 75c; 100 \$5.00

THE FAWN (22 inches)—Rosy fawn, changing to blush rose; a distinct and rare color; large egg-shaped flowers of exquisite beauty on long stems.

Each 7c; doz. 75c; 100 \$5.00

Cottage Garden Mixed

A superfine mixture of a great many sorts. Extra good value.

Each 5c; doz. 50c; 100 \$3.75

New Garden Guide

Every Owner of a Home

Needs the New Edition of

NEW GARDEN GUIDE

The amateur gardener's Handbook. Thoroughly covering Vegetable and Fruit Raising. How to Plan, Plant and Maintain the Home Grounds, the Suburban Garden, the City Plot. How to Care for Roses and Other Favorite Flowers, Hardy Plants, Trees, Shrubs, Lawns, Porch Plants and Window Boxes. With Chapters on Pruning, Propagation, Fertilizers, Insect Pests, Tools, Winter Storage, Canning, Birds, Garden Furniture and 1,001 Practical Pointers. Heavily illustrated with over 275 teaching plans and diagrams and reproduced photographs, all made expressly for this Standard Text Book.

Prices: Paper covered, \$1.10; cloth cover, \$1.65.

NOTE—Cottage Garden, Mayflowering and Darwin Tulip Bulbs should be planted about five inches deep and four to six inches apart. On account of their large flowers and long stems they need deeper planting than the early single varieties. This class is perfectly hardy and the bulbs do exceptionally well here and will bloom for years.



BULB FIBER

This is a prepared article to use in place of ordinary soil. It is very successful. Use it exclusively when potting bulbs. Read about it. See page 46.

REMBRANDT TULIPS

Late Flowering for the Open Ground

These late tulips are much like the Darwins but are striped and feathered, in this respect resembling the Byblooms formerly so much used. They are beautifully colored with delicate shades of lovely combinations, of fine form and substance, lasting well after cutting.

REMBRANDT MIXED—Many pleasing shades and colors which appeal to the refined taste of many people.

Each 7c; doz. 75c; 100 \$6.00

NARCISSUS OR DAFFODILS



Emperor

Single Narcissus with Large, Long Trumpets (see cut)

EMPEROR—Enormous flowers with a deep golden trumpet and primrose perianth; excellent for forcing.

Each 10c; doz. \$1.00

EMPRESS (Bicolor)—Pure white perianth and rich yellow trumpet; giant flower, extra fine.

Each 10c; doz. \$1.00

GOLDEN SPUR—Enormous deep yellow trumpet; early and unsurpassed for pots or garden culture.

Mammoth Double Nose Bulbs:

Each 12c; doz. \$1.25

First Size Bulbs:

Each 10c; doz. \$1.00

HORSFIELDI (King of Daffodils)—Large golden yellow trumpet, pure white perianth; a grand variety; forces early.

Each 10c; doz. \$1.00

KING ALFRED—A handsome, very large bold flower, solid golden yellow. The trumpet is of fine form and beautifully filled. Rare.

Each 20c; doz. \$2.00

TRUMPET MAJOR (Single Von Sion)—Perianth and trumpet golden yellow; very extensively used for bedding or forcing.

Each 9c; doz. 90c

VAN WAVEREN'S GIANT—The largest of all Narcissi; grand for forcing or bedding; vigorous grower. The giant flowers have a large yellow trumpet with sulphur yellow perianth, vanilla scented; highly recommended. Be sure and plant at least a few.

Mammoth Size Bulbs: Each 20c; doz. \$2.00

VICTORIA—New; large, clear yellow trumpet; beautifully frilled at mouth; perianth creamy white, broad and of good substance; a magnificent flower.

Each 8c; doz. 85c

Single Narcissus with Short Trumpets, Crown or Cup Centers

GREAT FAVORITES WITH MANY—EASILY FORCED. See cut, page 11

BARRI CONSPICUUS—A flower of great beauty and substance, large broad spreading yellow perianth; broad short crown edged with orange-scarlet; a robust strong grower and free bloomer.

Each 6c; doz. 60c; 100 \$4.00

BARRI GLITTER—Might be called the yellow poeticus. Beautiful flowers of a deep yellow with a bright scarlet rimmed eye; excellent for growing in pots or pans.

Each 12c; doz. \$1.25

SIR WATKIN—An old and popular variety and still one of the best and largest of this group; the flowers well grown often measure 5 inches across; a good doer and free bloomer; perianth butter yellow, crown deep golden. (See cut.)

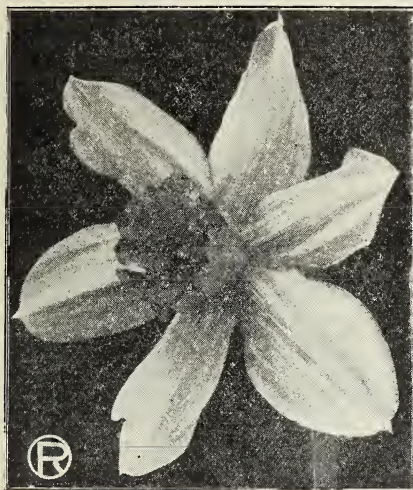
Each 8c; doz. 85c

LUCIFER—A large flowering handsome new variety with white perianth and cup of glowing red-orange; strong grower and free bloomer. Very pretty and graceful.

Each 9c; doz. 90c

We can show you most of our Flowering Bulbs in natural colors from hand paintings, at our salesrooms. These pictures will help you greatly in your selections.

NARCISSUS — Continued



Sis Watkins, Short Trumpet

Use Bulb Fiber

In place of soil, use our prepared Bulb Fiber in pots, bowls, window boxes—it's cleaner and lighter than earth and does not get sour. See page 46.

Brownsville, Ore., November 29, 1920.
Routledge Seed & Floral Co.

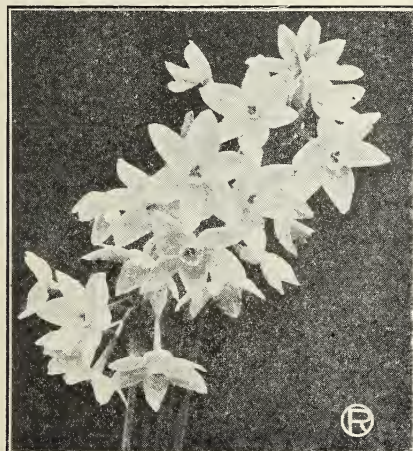
Dear Sirs: The bulbs you sent me are growing fine and the strawberries are all growing also.

Yours respectfully,
MRS. C. A. BITHER.

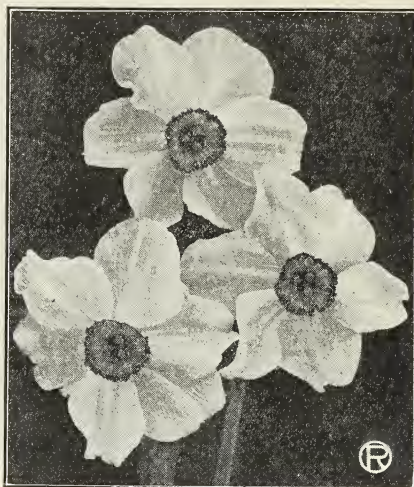
New Book

MILADY'S HOUSE PLANTS

This new book, written by an expert on house plants, is fully illustrated and gives the information every lover of plants needs to be successful. Don't let your beautiful palms, ferns and plants die. 180 pages. Cloth bound. Price \$1.10 postpaid.



Narcissus (Paper White Grandiflora)



Poeticus

POETICUS NARCISSUS

These are among the most beautiful of all spring flowering bulbous plants. The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden-colored cups, ringed like a pheasant's eye, with red and green. The flowers are gracefully poised on long, stout stems, adapting them for vases. They are especially valuable for garden planting. If allowed to remain undisturbed they thrive, spread and improve every year.

POETICUS (Pheasant's Eye) (See cut)—Pure white flowers, orange cup, edged with red. Perfectly hardy and should be planted in borders out of doors. Very useful for cut flowers, as they bloom from year to year. Will not force.

Each 7c; doz. 70c; 100 \$5.00

POETICUS ORNATUS (The Improved Poeticus)—Pure white cup, edged with scarlet; much finer in form and earlier than Poeticus. A magnificent cut flower. Largely used for forcing.

Each 6c; doz. 60c; 100 \$4.75

YELLOW POETICUS—(See Barri Glitter on page 10.)

NARCISSUS

Paper White Grandiflora

Pure white, beautiful, free-flowering, deliciously sweet-scented flowers, of the easiest culture; suitable for forcing or for growing in water in the same way as the Chinese Sacred Narcissus. They bear tall spikes of bloom with from 6 to 20 flowers each. They force admirably, and flower freely in dense clusters; will come into bloom as early as December, if potted early. Millions of these are forced by florists for cut flowers. Anyone can grow them in the house successfully. Plant one bulb to a 3-inch pot, four to a 6-inch pot.

First Size Bulbs: Each 8c; doz. 75c
Mammoth size: Each 10c; doz. \$1.00

NARCISSUS — Continued



Alba Plena Odorata

VON SION (The True Double Yellow Daffodil)—Rich, golden yellow perianth and trumpet. This is the old favorite, so highly prized in old-fashioned gardens. It is as handsome as ever, and deserves to be planted in quantities where it can remain undisturbed for several years. It will then thrive and bloom in increasing profusion every spring. It is also one of the best winter-flowering and forcing sorts, immense quantities being used for this purpose. Each 7c; doz. 75c

Extra Selected: Each 10c; doz. \$1.00

POLYANTHUS NARCISSUS

The Polyanthus varieties of Narcissus are not only beautiful, but deliciously sweet-scented, and of the easiest culture. Very free flowering, and suitable for forcing indoors or bedding out, continuing long in bloom. They bear tall spikes of bloom, having from six to 24 flowers each. Try the following varieties in water, same as Chinese Sacred Lilies (look on page 14). You will be more than pleased with results.

Your choice, each 8c; doz. 85c

GLORIOSA—White, with deep orange cup.

GRAND MONARQUE—White, with lemon yellow cup.

SOLEIL D'OR—Yellow, with deep orange cup.

MONT CENIS—White, yellow cup; large and handsome.

WHITE PEARL—Pure white flowers, very desirable; forces very easily.

NEWTON—Yellow, with orange cup; one of the best.

MIXED POLYANTHUS NARCISSUS — A mixture of all choice kinds.

Each 7c; doz. 75c; 100 \$5.00

PAPER WHITE GRANDIFLORA — See page 11.

DOUBLE NARCISSUS

No collection of Narcissus is complete without the double flowering sorts. They possess a charm peculiarly their own. All are perfectly hardy and are much in demand for cutting.

ALBA PLENA ODORATA (The Double White Poet's Narcissus)—Double, snow-white flowers, exquisitely scented, late-flowering; cannot be forced. (See cut.)

Each 8c; doz. 75c; 100 \$5.00

GOLDEN PHOENIX—Bright yellow; a fine, showy flower, full and double.

Each 10c; doz \$1.00

ORANGE PHOENIX (Eggs and Bacon)—Beautiful double white flowers with orange center; splendid for pot culture, cutting and garden planting.

Each 10c; doz \$1.00

SILVER (SULPHUR) PHOENIX—Very large flowers; pale creamy white, large, full and double; one of the finest varieties for pot culture, and makes a splendid cut flower.

Each 10c; doz. \$1.00



Von Sion Narcissus

JONQUILS

Narcissus Jonquilla

Jonquils are a small flowering type of Narcissus and are prized for their graceful, golden, fragrant blossoms, and the ease with which they may be grown. Half a dozen bulbs can be put in a 5-inch pot, and easily forced into flowers inside. A clump of 50 or more bulbs put here and there among shrubbery, or interspersed in the hardy border, or naturalized in the grass, gives an indescribably rich effect in the early spring, while a vase of the cut blooms will fill a room with the rich, spicy odor.

SINGLE SWEET-SCENTED (Narcissus Jonquilla)—Rich buttery yellow; not as large a flower as the others, but most fragrant and very free-flowering.

Each 5c; doz. 50c; 100 \$3.50

DOUBLE SWEET-SCENTED—Full double golden-yellow; highly fragrant.

Each 10c; doz. 60c; 100 \$4.00

NOTE—Not less than 6 of any ONE VARIETY supplied at dozen rates and not less than 50 at 100 rates.

FREESIAS

One of the most popular of the winter blooming bulbs. The flowers are white, borne in graceful clusters, last a long time and have a delightful fragrance. The bulbs force easily and will come into bloom in January and February in an ordinary greenhouse. They also grow well and bloom freely in an ordinary sitting room if placed near a window and not kept too hot. Plant four or five bulbs in light, rich soil, in a 6-inch pot. Keep in a warm, moist, dark place until the plants are well started. There is danger in watering too freely until the plants are in flower.

Improved Purity—pure white.

Mammoth size:

Each 3 for 15c; doz. 50c; 100 \$3.00

Large bulbs, doz. 40c; 100 \$2.50



Freesias

WINTER FLOWERING OXALIS

BERMUDA BUTTERCUP—Bears lovely bright golden flowers all winter. One of the finest winter blooming plants ever introduced for pots, baskets and vases; pretty foliage, and hundreds of buds and flowers on at one time.

Each 5c; doz. 50c

GRAND DUCHESS—One of the finest winter blooming plants for pots and baskets yet introduced. Makes nice bushy plants with pretty bright green foliage. Beautiful flowers borne over a large season of the year in great profusion. Easily grown and a very satisfactory house plant. Comes in three colors, white, pink or lavender.

Each 5c; doz. 50c

CROCUS

Put Some in Your Window or Porch Boxes

Plant about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

Note.—You can plant in pots and set them out in the garden, covering pot and all with 2 inches of dirt. When they come in bud lift, remove the surplus soil carefully, wash the outside of the pot and take inside. Keep well watered and they will last for several weeks.

NAMED GIANT CROCUS

First size bulbs only

For forcing or special work the named Crocus is best.

PALLAS—Extra large flowers, white ground, fine lilac stripes, orange antlers.

Doz. 50c; 100 \$3.00

KING OF THE WHITES—Pure white, beautiful, large flowers; very floriferous.

Doz. 50c; 100 \$3.00

PURPUREA GRANDIFLORA—Dark purple; extra large and handsome flowers.

Doz. 60c; 100 \$4.75

MAMMOTH YELLOW—These are extra large bulbs that produce many flowers.

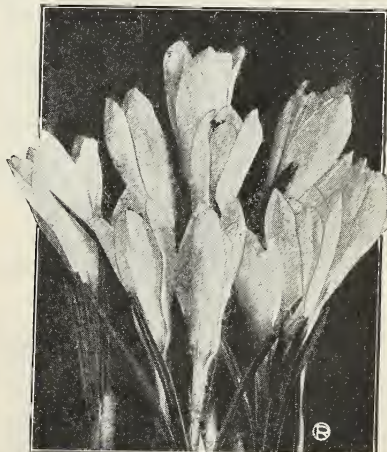
Doz. 50c; 100 \$3.00

MIXED CROCUS

These separate colors in mixed shades are extensively planted for outdoor beds or borders. Our bulbs are all solid and sound and first size.

We can supply Purple, White, Striped, Yellow, or Mixed all colors.

Doz. 35c; 100 \$2.00; 1,000 \$12.50



Crocus

PLANT SMALL FRUITS around your garden. What's nicer than delicious fresh fruit, fresh from your garden? See Fruit Department, pages 35 to 44.

CALLA LILIES

The Calla is one of the best winter flowering plants for room culture, needing little care beyond abundant water and an occasional washing of the leaves to keep them free from dust. Plant 1 bulb in a 6-inch pot. As soon as it starts growing bring to the light and heat and the result will be most satisfactory.

WHITE CALLA—The most extensively grown; bulbs in season from September to May.
Choice bulbs, 20c; large 25c
Extra large 35c; 3 for \$1.00

NEW GODFREY—Plant is more dwarf in growth; flowers lily white, very graceful and produced in astonishing numbers; come into flower quicker; will also do well in the garden for summer flowers.
Each 30c; 3 for 75c

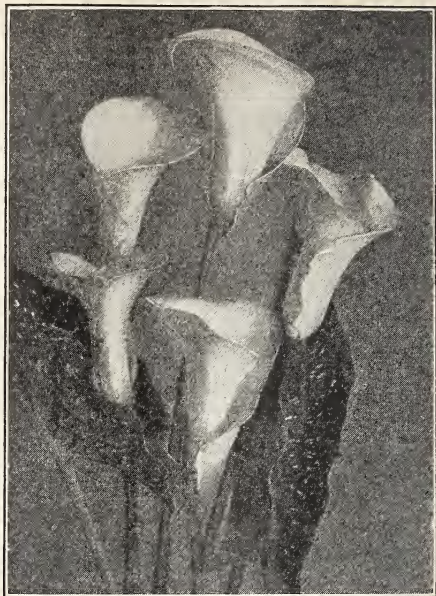
YELLOW ELLITIANA—This new Yellow Calla is of marvelous beauty; flowers are large, rich, dark golden yellow, often 4 to 5 inches across the mouth; leaves are beautifully spotted with white. Bulbs in stock from November to May. (See cut.)
Select bulbs, each 35c; 3 for \$1.00

ORNITHOGALUM ARABICUM

(Arabian Star of Bethlehem)

A very showy and distinct species, bearing racemes of white flowers with a black center, having a sweet aromatic odor; grows 1 to 2 feet in height, and succeeds either outdoors or in pots. Excellent for forcing and largely used by florists for this purpose. Of the easiest cultivation.

Each 10c; doz. \$1.00



Yellow Calla Lily

BULB FIBER

This is a prepared article to use in place of ordinary soil. It is very successful. Use it exclusively when potting bulbs. Read about it. See page 46.



Chinese Sacred Lily

CHINESE SACRED LILY

Also called "Shu Sin Far," or Water Fairy Flower. The flowers of this variety of Polyanthus are of a satiny white color, with very fragrant golden yellow cups. The dark green foliage is exceedingly luxuriant and beautiful. It is the sort grown by the Chinese from time immemorial to decorate their sacred temples or joss houses, on their New Year's day. By methods of culture original to them, they succeed in growing large, solid bulbs, which produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from the time of planting. This splendid flower increases in popularity every year, and immense quantities of bulbs are annually imported into this country.

Culture—Being partially aquatic, this plant must have plenty of water. If grown in earth, the soil should be light and sandy. Chinese Lilies are usually grown in bowls or dishes of water. Put enough fancy pebbles, coarse gravel, small rocks or shells around them to keep them from falling over; fill the dish with water and set in a dark, cool place, until the roots start freely, then bring them to the light and keep in an ordinary living room. A dozen bulbs started in this way at intervals will give a succession of bloom throughout the winter.

Select Imported Bulbs: Each 20c; 3 for 50c

Extra Large Bulbs: Each 25c; 3 for 65c

NOTE—The local Chinese gardeners put their bulbs in shallow pans of water out in the open for some time and bring into a warm room to flower as wanted.

BEAUTIFUL HARDY LILIES

These are the most fragrant, beautiful and stately of all flowers produced from bulbs; they require very little care. Do not disturb them oftener than every three to five years. Plant about six to twelve inches deep, according to size of bulb, and if the ground is not well drained use plenty of sand around the bulb, and lay it on its side. Plant in clusters or groups of six or more for best effect. They increase in size and beauty each year.

LILIUM CANDIDUM (St. Joseph or Madonna Lily)—This is the ever popular, fragrant, snow white, hardy garden Lily. The large, trumpet-shaped flowers are produced in clusters at the top of 4 to 5-foot stems; blooms in the open ground in June. A very hardy and popular Lily. Planted in beds or among shrubbery it makes a stately, majestic display.

Mammoth Bulbs: Each 40c
Large: Each 30c; doz. \$3.00

LILIUM WASHINGTONIANUM (Mt. Hood Lily)—A beautiful Lily, native of Oregon; flower of open trumpet form; white, tinted with lavender pink; grows 3 to 5 feet high; the beautiful, fragrant flowers are freely produced in graceful clusters. Few lilies surpass it and it deserves to be planted much more extensively. Our bulbs are gathered in the foothills of Mt. Hood and grown one year in nursery rows. This makes them firmer, bloom more freely and sure to live.

Each 25c; 3 for 60c; extra large bulbs 35c;
 3 for \$1.00

Easter Lily

Pure pearly white, deliciously fragrant, and a remarkable profusion of bloom characterize this charming and celebrated Easter Lily. Without exception, it is one of the most valuable bulbs for winter flowering in the house. It is a magnificent variety for church decoration at Easter, and tens of thousands are grown for this purpose alone. Our bulbs are the best obtainable. Popular

Each 35c; 3 for \$1.00
 Extra large bulbs 40c



Lily Auratum

SPECIOSUM ALBUM—Pure white flowers with a greenish band through the center of each petal. They are of great substance and very fragrant. Hardy and sure to bloom. Each 40c; doz. \$4.00

SPECIOSUM RUBRUM (Roseum)—The blush pink petals are thickly dotted with rose or crimson spots. This hardy, strong growing sort is sometimes called "Crimson Branded" and is considered by many the most satisfactory for garden cultivation. Each 35c; doz. \$3.50

AURATUM—The gold-banded lily of Japan. Immense flowers, borne in great clusters; color, rich, creamy white, thickly spotted with crimson and brown, each petal having a golden yellow band through the center. (See cut.) Each 35c; doz. \$3.50

TIGRINUM FLORA PLENA—The double-flowered Tiger Lily. Bright orange colored flowers. Each 30c; doz. \$3.00

TIGRINUM SPLENDENS (Improved Single Tiger Lily)—Has very large flowers of excellent form, color orange-salmon, with dark spots; hardy and a free bloomer. Each 25c; doz. \$2.50

Lily of the Valley

One of the most charming spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant white flowers. Valleys thrive in any common soil, and will do well in shady situations, where few other plants will succeed. Highly prized for cutting purposes, and exceedingly well adapted for flowering in pots in the winter. Plant 6 pips to a 6-inch pot.

They are perfectly hardy and most charming planted in beds or borders around the lawn, where they can remain, increase and bloom from year to year.

SELECTED PIPS, for forcing indoors or planting outside.

4 for 25c; doz. 75c; 100 \$5.00



Note—Give lily bulbs good, rich ground, well drained. Put a small stake by each bulb when planted so the sprout will not be broken in cultivation.



Japan Iris

BIRDS AND PETS

We are Northwestern headquarters for Birds of all kinds, Puppies, Kittens, Rabbits, Cavies, etc., Bird Cages, Pet Stock Foods and Supplies. SPECIAL PET STOCK CATALOG ON REQUEST.

LIBERTY IRIS—FLEUR-DE-LIS

These are among the most desirable and easiest grown of our spring flowering hardy plants, producing in May and June their showy flowers of exquisite coloring, combining the richest and most delicate tints. Roots from October to April.

LIBERTY COLLECTION

Each 25c; full collection of 10 kinds, \$2.25, postpaid.

Florentina—Flowers white, tinged with lavender; sweet scented and an old favorite. Early and fine for cutting.

Fritjof—Standard soft lavender; falls soft purple, shaded lavender. Very free bloomer.

Kochil—Rich claret-purple. One of the most popular of this group.

Prince Victor—Standard blue; falls dark violet. Very free, early bloomer and a favorite with the florists.

Flavescens—Delicate shade of soft yellow; large, sweet-scented flowers. Fine for massing or cutting.

Gracchus—Standard primrose; falls crimson, reticulated white.

Honorabilis—Standard golden; falls rich mahogany-brown.

Madame Chereau—Standard white, frilled blue; falls white, blue penciling.

Plant more Iris; they increase in size and beauty each year. Divide the roots in the fall each third or fourth year and reset.

JAPAN IRIS—KAEMPFERI

The Japanese Iris is quite distinct from all others, and never fails to excite the admiration of all who see it. It is becoming more popular each year. The enormous flowers produced in June and July display a marvelous blending of rich and rare shades. They like a rich soil and plenty of water when in bud and flower. Doubles have six petals, singles three.

BEAUTY COLLECTION

Each 35c; \$3.50 doz. Collection of 5 kinds as follows, \$1.60, postpaid. (Roots in season from October to April):

Gei Sho Ui—Rich purple, primrose blotches surrounded by a white halo radiating out into the purple petals; six petals.

Gekka No Nami—Dense pure white, with yellow blotches; six petals.

Kuro Kumo—Purple, overlaid with dark blue; six petals.

Shigano Ura Nami—Red-lavender, with white halo surrounding the yellow blotches; six petals.

Shirataki—A large, fine white; six petals.

Fine Mixed Japanese

Finest sorts, double and single.

3 for 75c; doz. \$2.50

SPANISH IRIS—HISPANICA

One of the most satisfactory varieties of Iris to grow, being very hardy and equally good for forcing indoors or garden culture. The flowers are of great beauty, and if cut when in the bud will last a long time in water. For several years we have been unable to supply on account of scarcity of American-grown stock. Blue, white, yellow or mixed. Each 8c; doz. 85c



Fleur de Lis (Liberty Iris)

Pallida Dalmatica—Standard fine lavender; falls clear, deep lavender; flowers very large and fine.

Queen of May—A lovely shade of soft rose, almost pink.

CHOICE HERBACEOUS PAEONIES

Fine, hardy plants, rivaling the Rose in perfection of bloom, color and fragrance. They are at home in any climate or soil, but thrive best in deep, rich, well drained loam. They make a gorgeous display. The Paeony is perfectly hardy. Plant in the fall or early spring and do not cover the crown of the roots over 2 or 3 inches.

OTHER VARIETIES—We can quickly supply from the largest Western paeony specialist any variety from his list of over 250 kinds; so ask for price on any variety you wish.

Every variety in the following collection is a beauty. **PRICES** are postpaid.

NOTE—(1) blooms early; (2) mid-season; (3) late.

BOULE DE NEIGE (1)—Flowers large, white, compact and quite full. Guards and center lightly edged or flecked crimson. A desirable and beautiful peony. Each 75c

DUCHESS D'ORLEANS (2)—Beautiful large, double flowers on long stems. Color, light pink, with a salmon-cream center. Early. A profuse bloomer and healthy grower. Each 75c

DUKE OF WELLINGTON (3)—Guard petals white, very broad; center petals sulphur-white, narrow and very full. The large, finely formed flowers come on long, firm stems. A good, free bloomer; deliciously fragrant and handsome flower. Each 50c

EDULIS SUPERBA (1)—Beautiful, brilliant, deep pink, silvery reflex; large, well-formed, full flower on strong stem; blooms very early, usually by Decoration Day; lasts well; fragrant and good in every way. A much worthier sort than its price would seem to indicate. Each 60c

FELIX CROUSSEE—A wonderful, dazzling, ruby-red; very large, handsome, stately, full, globular flowers on long stems. Excellent for cutting and decorations. Each 60c

FESTIVA MAXIMA (1)—Enormous, full, double blooms; petals very broad; color pure white with an occasional carmine spot on the edge of the center petals; very vigorous grower; one of the best white Paeonies, early, fragrant. Each 60c

GENERAL BERTRAND (2)—A handsome, large, compact, globular, typical bomb-shaped flower; color solferino red or rose-pink; distinct; very fragrant; of splendid habit and foliage. Each 60c

GOLDEN HARVEST (2)—Beautiful and graceful, creamy-yellow flowers, having guard petals heavily suffused with pink. Fragrant. Should be in every collection. Each 50c

OFFICINALIS RUBRA (2)—Medium-sized, deep crimson flowers, in great profusion. One of the oldest and best varieties; the earliest sort to come into bloom. This is the "piney" of your grandmother's garden and its color cannot be surpassed by any of its newer rivals. Always in bloom for Decoration Day and very popular cut flower on that day. Each 50c



Paeony—Festiva Maxima

MARION DOLORES (2)—A large, handsome, showy flower, very beautiful and desirable; color pink, nicely shaded and marked with yellow and cream. Each 50c

OFFICINALIS ALBA (1)—Belongs to the same class as Rosea and Rubra and is the earliest white. When the flowers first open they show a delicate shell pink shade, but soon fade to a beautiful white. Each 75c

TRI-COLOR GRANDIFLORA (3)—A grand variety; color lovely pink, center of flower intermixed with salmon; very distinct and desirable. Each 50c

VICTOR HUGO (3)—Brilliant carmine-red. Large, full, round flowers on good stems. Very showy and a most desirable variety. Each 75c

SUNRISE—Single Japanese variety, crimson, center filamental petals tipped yellow, large and free bloomer. Each 50c

SWEET PEAS OF HIGHEST QUALITY

No seed company in the world offers finer Sweet Pea Seed than we. The new orchid-flowered or Spencer types are the latest, largest and most beautiful.

PLANT THIS FALL—In order to secure very early flowers, you must plant Sweet Peas in the fall, in well drained soil. The idea is to get the plants up a few inches before it gets so cold that the seed will not sprout. The plants will not grow much during the winter, but will start quickly with the first warm days of spring. In case of very severe weather, a light covering of straw or fir boughs will protect them from serious injury. If your soil and location are good for fall planting, you will have flowers by the time many people plant in the spring. Should you fail, you can plant again in the early spring, and not be out much. The results if you succeed are worth the effort and outlay.

PRICES (Giant Spencers), Mixed or Separate Colors, your choice, 10c to 25c per pkt.; 35c to \$1.00 per oz. Our Seed Catalog gives full description and prices.

R. R.'s Superb Mixture of Giant Spencer Sweet Peas, oz. pkt. 25c.

Superb Collection, 1 pkt. each 7 colors, 75c value. Special, 50c.

BEAUTIFUL ORNAMENTAL FERNS

A home, no matter how lavishly furnished, is not complete without decorative plants and palms. The bold, majestic palms and delicate, feathery foliage of the ferns lend a grandeur and magnificence that cannot be obtained in any other way.

READ THIS—Specimen Plants—These are large, choice, well-shaped plants, growing in pots, and are very beautiful. They cannot be mailed. We wrap and pack carefully and ship by express at your expense. Add 25c extra for packing, on all plants in pots less than \$1.50.

OSTRICH PLUME (See cut)—The fronds of this popular variety are the most delicate and plume-like. They are beautiful, full and fluffy, well-grown plants; are truly magnificent and last well in the house.

Choice plants, 25c to 35c, postpaid

Specimen plants in pots, \$1.25 to \$2.00

Extra large, \$2.50 to \$3.50

BOSTON FERN—One of the most beautiful and useful of house plants. It is of easy culture, and its sword-like fronds, in large specimens, attain a length of 3 to 4 feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction.

Choice plants, 25c to 35c, postpaid

Specimen plants in pots, 75c to \$1.00

\$1.50 and up to \$5.00

ASPARAGUS SPRENGERI (Emerald Feather) (See cut No. 1)—This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage; quite hardy and valuable for hanging baskets or porch boxes in summer if given partial shade and plenty of water.

Choice plants, 20c to 35c, postpaid

Specimen plants in pots, 35c to 75c

Extra large pots or baskets, \$1.50 to \$2.50

ASPARAGUS PLUMOSUS (Climbing Lace Fern) (See cut No. 3)—A finer and more delicate plant than the Sprengeri, but hardy and easily grown. Very satisfactory for window and house culture. An extremely graceful window climber, bright green, feathery foliage, as fine as the finest silk or lace.

Choice plants, 20c to 35c, postpaid

Specimen plants in pots, 35c to \$1.25

FILLED FERN DISHES

These are pretty, popular, fashionable and very desirable for centerpieces for the tea or dinner table or as ornamental plants on the sideboard or center tables.

A choice collection of plants growing in pretty Fern Fillers, \$3.25 to \$5.00. (See cut No. 2.)

These must go by express—not mailable.



Specimen plant, Ostrich Plume Fern, in a fancy jardiniere

MAIDEN HAIR FERN (*Adiantum Cuneatum*)—A very beautiful and graceful fern.

Small plants, 25c, postpaid

Choice plants in pots, 50c to \$1.00 each

CHOICE TABLE FERNS

These handsome little ferns are used mostly in filling fern dishes. Your choice of the following. 25c each; 3 for 65c, postpaid

ASPIDIUM TSUSSIMENSE—Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit.

CRYPTOMIUM FALCATUM (The Holly-Leaved Fern)—One of the most desirable; very hardy and pretty.

PTERIS ARGYREA (Silver Fern)—A very showy fern, with variegated foliage.

PTERIS WILSONI—A very pretty and useful fern; green leaves with the ends very peculiarly crested; beautiful sort for fern dishes.

PTERIS CRETICA ALBO-LINEATA—A pretty and useful variegated variety distinctly showing the clear white variegation.



No. 1, Asparagus Sprengeri

No. 2, Filled Fern Dish

No. 3, Asparagus Plumosus

PALMS AND DECORATIVE POT PLANTS

Everyone knows how beautiful palms and decorative plants are, and how much they improve the parlor, hall or dining-room. We offer here only the best and most desirable kinds of easiest culture.

NOTE—Specimen plants or plants in pots cannot be mailed. See note top opposite page.

KENTIA

A beautiful, graceful, handsome looking, strong-growing palm, with deep green, crisp foliage; inclined to dwarf and spreading habit. One of the most popular for home culture, as they are very hardy, and stand the dry atmosphere. If we could have but one palm, it would be a Kentia. (See cut) Prices—Small plants \$1.00, postpaid. Choice plants in pots, 18 to 24 in., \$2.50-\$3.00. Specimen plants, \$5.00 to \$15.00.

ASPIDISTRA

Stately decorative house plant of hardy growth. The leaves grow quickly to a height of 18 inches or more. Will stand more gas, dust, cold and heat than any other palm we know of. (See cut.) Prices—Small plants (out of 4-in. pots) \$1.50, postpaid; by express (in pots) \$1.25 each. Small plants, postpaid, 75c to \$1.00.

RUBBER PLANT

(Ficus Elastica) (See cut)

This is certainly one of the best plants grown for decorative purposes. It succeeds well with ordinary treatment. Its glossy, thick, dark-green leaves are not affected by dust or gas. Prices—Small plants, postpaid, \$1.00. Choice plants in pots, not mallable, 15 to 18 in., \$1.50; 2 foot up, \$2.00 to \$5.00 and up.

COCOS PALM

(See cut No. 9.)—The most elegant and graceful of all the smaller plants. Its slender, erect stem is freely furnished with its graceful arching leaves of rich green color. Small plants are very desirable for centers in fern dishes.

Choice plants, about 10 inches high.

Each 75c, postpaid



Aspidistra



Rubber Plant

Cocos Palm

Jardiniers

Fern Dishes

Fancy Vases Etc.

We stock a full line of standard, fancy and new styles Jardinieres, Flower and Bulb Pots, Japan Tubs, etc. See our stock before buying elsewhere.

REX BEGONIAS

Grown for the beauty of the foliage. The leaves are large, variegated and margined. Most varieties have a peculiar silver-metallic gloss. The most ornamental of window plants; also useful in vases, baskets and warden cases. Prices—25c each; 3 sorts 65c.



Rex Begonia

Kentia Palm

DRACENA INDIVISA

(Fountain Plant.)—This plant is unsurpassed for hardiness. Leaves graceful, long, narrow and pointed. Used extensively for centers in pots, boxes or urns with other plants. Perfectly hardy outside in summer.

Nice plants, 12 to 15 in., 40c to 60c, postpaid. Specimens in pots, 18 to 24 in. and up, 75c to \$1.50 and up to \$2.50.

CANARY BIRDS

Did you ever hear an imported Hartz Mountain Canary sing? They are the sweetest singers on earth. Call and see them, or write for catalog and prices.

CHOICE OREGON - GROWN ROSE BUSHES

We make a specialty of Rose Bushes and sell thousands upon thousands. Our bushes are strong, healthy, field-grown stock, well rooted, and will produce a profusion of bloom the first season, if given good care and cultivation. We enjoy the reputation of supplying the best stock at reasonable prices. The following list is the choicest of American and European introductions. All Oregon-grown; worth double Eastern or California.

FOR YOUR CONVENIENCE—CLASSIFICATION UNDER COLORS

This year we have arranged our Roses all under their predominating color, which appeals to us as the most convenient way. While the descriptions are necessarily short on account of limited space, you will get class (read abbreviations below), color and main points of merit.

SHIPPING AND DELIVERY

We can fill orders for our large 2-year-old Rose Bushes any time from October to May—around Portland the best planting time is during favorable weather from November to April, the earlier the better.

BY EXPRESS—We ship all 2-year-old Rose Bushes by express, unless otherwise instructed.

BY PARCEL POST—By request we will wrap, pack and mail Rose Bushes for 10c each, 75c doz.

ABBREVIATIONS

T.—TEA—One of the best classes of Roses and truly ever blooming. They are hardy in this section, although during our coldest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, stronger growers.

H. P.—HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth, free blooming.

WHITE ROSES

British Queen (H. T.)—Pure white, large, full flowers, opening freely. One of the best white roses for bedding and cutting.

Each 75c

Candeur Lyonnaise (H. P.)—Pure white, sometimes tinted with pale sulphur-yellow; very large and full. A novelty of very high merit.

Each \$1.00

Florence Forester (H. T.)—Clear snow-white, with a lemon tinge. Its habit is perfect, and is very sweetly perfumed. Gold medal.

Each \$1.00

Frau Carl Druschki (H. P.)—A large, grand, hardy, pure white; best and most popular.

Each 60c

Gloire Lyonnaise (H. P.)—White, tinted with yellow, large, full and of good shape. Very free, distinct and pleasing.

Each 60c

Kaiserine Augusta Victoria (H. T.)—A strong, vigorous grower, producing buds and flowers of enormous size; color, pure white. We have no hesitancy in saying that this rose is unequaled by any other variety of its color.

Each 60c

Mabel Morrison (H. P.)—Splendid white garden and exhibition rose. Flowers large, globular, full and sweet.

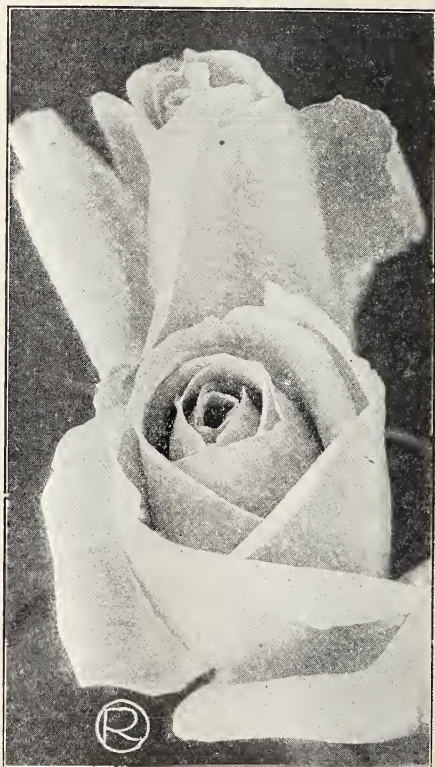
Each 75c

Mrs. Foley Hobbs—A veritable giant among Tea Roses. The huge, thick, shell shaped petals produce a bloom of grand size and build, while the length of stems are remarkable. Color delicate ivory white, delicately tinged pink on edge of petals. Deliciously scented. A grand bedding rose.

Each \$1.00

White Killarney (H. T.)—Long, pointed buds of purest white and heavy, wax-like texture, opening to large, full flowers; very lasting.

Each 75c



White Maman Cochet—Has all the good qualities of Maman Cochet, but pure white, equally large and fragrant, hardy and productive. One of the very best white ever-blooming roses for bedding, flowering all season long and until late in the fall.

Each 75c

Chelan Falls, Wash., April 4, 1921.
Routledge Seed & Floral Co.

Gentlemen: Roses and seeds received in good order. The roses are fine, husky bushes and never stopped growing. Am very proud of them.

Yours very truly,

GLENN C. ABBOTT.

Make your Rose Bushes grow and bloom profusely by applying a liberal amount of "C.M." and "Wonder." See pages 44, 45.

PLEASE NOTE—Should we be sold out and unable to obtain the varieties of Roses ordered, others similar or better and **CORRECTLY LABELED** will be substituted, **UNLESS OTHERWISE ORDERED.**

YELLOW ROSES

Constance—Buds long and pointed, of a rich orange-yellow color distinctly streaked and splashed with crimson near base of petals, passing to large, full flowers of bright cadmium-yellow. Very free in bloom. A glorified Rayon d'Or. Each \$1.00

Duchess of Wellington (H. T.)—Intense rich saffron-yellow; very large and of fine form; beautiful in bud as well as open flower. One of the finest offerings of recent years. Each \$1.00

Duchess of Normandy (H. T.)—A beautiful, large, full flower; salmon-flesh, paling to cream at edges. Each \$1.00

Franz Deegan (H. T.)—One of the strongest growing of all the yellow ever-blooming roses. Throws up strong canes from the ground, each one crowned with a glorious golden-yellow flower of beautiful form and great texture. A free and constant bloomer and very lasting. Each 85c

Lady Hillingsdon (H. T.)—Deep apricot yellow, long pointed bud. Each \$1.00

Mad. Ravary (H. T.)—Clear orange-yellow; long, pointed buds; flowers of fine form. Each 85c

Mrs. Ambrose Riccardo (H. T.)—A beautiful new yellow Hybrid Tea Rose from Continental Europe. Wonderfully free blooming and vigorous growing for a rose of its class. Buds beautifully formed, honey yellow; very sweet scented. Each \$1.00

Marquis de Sinity (H. T.)—A grand new French Rose coming from the raiser of the Lyon Rose. Color a beautiful intermingling of copper and yellow. Flowers very large and perfectly formed. Each \$1.00

Mad. Melanie Soupert (H. T.)—Saffron yellow suffused with carmine and pink. A great favorite. Each \$1.00

Rayon d'Or or Golden Rays (H. T.)—A gorgeous new golden yellow rose; superb. Each 85c

Sunburst (H. T.)—Rich cadmium yellow, shaded orange. The buds are very long and beautiful form, opening into a gorgeous colored flower. Each \$1.00

PINK ROSES

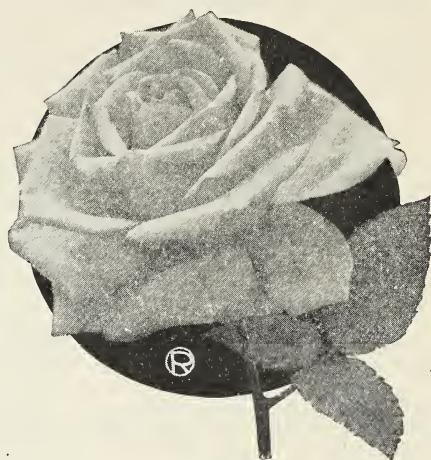
Baroness Rothchild (H. P.)—Large size, fine globular form; color bright rosy pink. Each 60c

Columbia (H. T.)—This beautiful Rose is of strong, vigorous habit of growth and exceptionally free-blooming. The flowers, which are of good size, are perfect in form, both in bud as well as when fully expanded. In color it is a most pleasing shade of rose-pink and delightfully fragrant. Each \$1.25

Colleen—(H. T.)—Beautifully shaped buds of the Killarney type, opening into large, finely formed flowers. Color rose-pink, heavily shaded with crimson. Very distinct. Each \$1.00

George Arends or Pink Frau Karl Druschki—A beautiful pink variety; different in color from any other rose; a free bloomer and one of the best. Each 75c

Prune your rose bushes when planting—don't leave over 8 to 12 inches of top growth. Try it; you'll get better results.



Columbia

Killarney (H. T.)—Color an exquisite shade of deep shell pink lightened with silvery pink. The base of the petals is a soft silvery white suffused with enough yellow to make it more attractive. The buds are exceptionally long and beautifully formed, the open flower is graceful in the extreme. It has a delicate Tea Rose fragrance. Should be in every collection. Each 60c

Los Angeles—Described by the originator as "a flame pink, toned with coral and shaded gold at base of petals." Buds long, pointed and lasting. The flowers are very large and the beauty of coloring does not fade. Flowers profusely all season on strong shoots. The foliage is a rich, luxuriant, glossy green. Each \$1.25

Lady Ashtown (H. T.)—One of the finest pinks of a rich, deep, silvery tone; flowers large. Each 75c

Madame Caroline Testout (H. T.)—Portland's famous brilliant pink rose. Each 60c

Maman Cochet (T.)—One of the finest Tea Roses ever produced. Very rank growing for a variety of its class. Strong canes, almost thornless, springing from the base all season long. Magnificent buds opening into flowers of grand size and build; very lasting and of sweet tea scent. Color, deep rosy pink, inner side of petals shaded silvery rose. Each 75c

Mrs. John Laing (H. P.)—Very free flowering, commencing to bloom early in the season and continuing to bloom profusely until late autumn. Color soft, delicate pink, with a satiny tinge. Each 60c

Paul Neyron (H. P.)—Deep, shining rose, double and handsomely formed; blooms freely, and is unusually strong and vigorous; the largest variety in existence and one of the most desirable for the garden. Each 60c

Willomere (H. T.)—A novelty from the nurseries of Pernet Duchete in France, and who offers it as an improvement upon his famous Lyon Rose, being more vigorous in growth and free in bloom. Buds coral red suffused with carmine opening into a large full flower of a rich shrimp-pink, shaded to yellow at the center. Very rich and striking variety. Each \$1.00

PLEASE NOTE—Should we be sold out and unable to obtain some certain varieties of Roses ordered, others similar or better and CORRECTLY LABELED will be substituted, UNLESS OTHERWISE ORDERED.

TRICOLORS—SHADES OF YELLOW, ORANGE, GOLD, RED, OR PINK

Austrian Copper (H. T.)—A single-flowered rose of the June-flowering type. Much admired at the Portland Rose Show.

Each 60c

Betty (H. T.)—Beautiful coppery-rose color, overspread with golden-yellow; fragrant.

Each 75c

Beaute de Lyon—Large, refined flower of a rich coral-red, nicely shaded with yellow. A seedling of Soleil d'Or. Very superior to that variety both in growth and flower.

Each 75c

Cheerful—Pure orange flame, the flame shading overspreading the petals, giving it a pleasing effect. Flowers large, full and good form. Very free.

Each, \$1.25

Gorgeous (H. T.)—Flowers large and full, freely produced on stiff, erect stems; color deep orange yellow, flushed copper yellow, and vined with reddish copper.

Each \$1.00

Edith Part—Another grand exhibition rose as well as an ideal garden variety. Free branching growth with well built up flowers of great substance. Color, rich red suffused with deep salmon and coppery yellow.

Each 85c

Irish Elegance—Bronze orange in the bud, opening into large single flowers of a lighter shade. Vigorous growing and perpetual blooming.

Each 85c

Irish Fireflame—These buds are wonderfully rich in coloring; opening to a large single flower; old gold, shaded ochre.

Each 75c

Jonkheer J. L. Mock (H. T.)—It is of the type of La France, with large, round blooms surmounting its stout, almost thornless, canes; color, rich bright pink, reverse of petals carmine.

Each 75c

Joseph Hill (H. T.)—Salmon pink, shaded with yellow, outer petals tinted coppery pink, long bud; very large, full flowers.

Each 75c

Lady Mary Ward (H. T.)—Frée, vigorous and hardy; color rich orange, shaded deeper orange, with metallic veneering.

Each \$1.25

Louise Catherine Breslau (H. T.)—Coral red, shaded chrome yellow, opening to a flower of shrimp-pink, shaded coppery-orange.

Each \$1.00

"C-M" Your Rose Beds

The most beautiful roses are produced by care, cultivation and fertilizer. "C-M" kiln-dried (weed free) ground cow manure, better than the raw material, will do wonders and is much cleaner and nicer to handle. See page 46



Cheerful

ROSE STAKES—Use our white-headed green rose stakes to protect your bushes. See page 116.

Lady Pirre (H. T.)—Deep coppery-salmon, shaded to apricot and fawn; strong, erect-growing and free-blooming. An ideal variety.

Each \$1.00

Margaret Dickson Hamill—Delicate straw color, its shell-like petals flushed at the edges on the reverse side with delicate carmine-rose. Strong in growth, free blooming and exquisitely fragrant. Bronzy green foliage on deep crimson leaf-stalks. Very distinct and a gem among new roses.

Each \$1.00

Madame Edouard Herriot (T.)—Long, pointed buds, a deep coral red color, shaded to yellow at the base; flower of a rare shade of rosy scarlet, flushed with shrimp and apricot tints.

Each 85c

Mrs. P. W. Vanderbilt—Fine, long-pointed buds, full, well-formed flower, deep orange-red, shaded bronzy-apricot; very free and perpetual. Very desirable.

Each \$1.00

Mademoiselle Cecile Brunner (Dwarf Polyanthus)—Exquisite little roses, buds dainty, pointed, bright salmon pink, yellow center.

Each 60c

Old Gold (New)—A vivid reddish orange with rich coppery and red coppery apricot shadings. Long dainty buds lasting a long time in perfect condition.

Each \$1.00

Ophelia (H. T.)—The most popular cut flower variety today. Buds orange salmon, opening to a perfect full flower of dainty salmon pink and cream; elegant shape, fine foliage; superb.

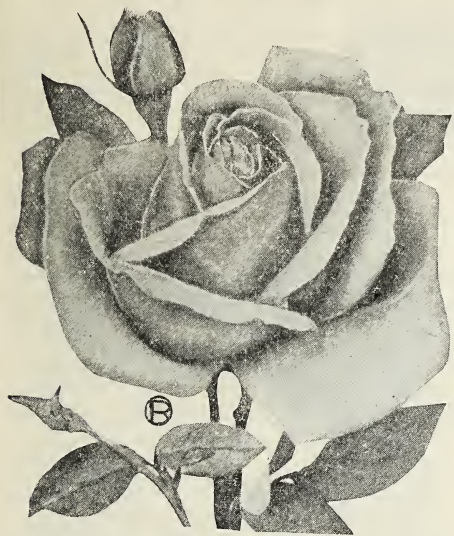
Each \$1.00

MOSS ROSES

Strong, vigorous growers, much admired for moss-covered buds; hardy; most varieties bloom but once in a season, but remain for a long time and very handsome.

Your choice, White, Pink or Red and page 46.

All 2-year-old rose bushes by express unless otherwise ordered. Read about shipping, top of page 20, and inside front cover.



Hoosier Beauty

RED, SCARLET AND CRIMSON

Admiral Ward (H. T.)—Vigorous, erect-growing Hybrid Tea Rose from the famous hybridizer, Pernet Duchere. Large, glossy, bronzed foliage. Large, full, globular flowers, freely produced. Color crimson red, shaded fiery scarlet and velvety purple. Each 75c

Augustus Hartman—Brilliant geranium red flushed orange; very large, well-formed flowers with high pointed center. Each 75c

Chateau de Clos Vougeot (H. T.)—A very rich, fiery scarlet shading to deep velvety crimson. It is delightfully fragrant, a prolific and continuous bloomer. Each 60c

Captain Hayward (H. P.)—This is probably the grandest of all red Hybrid Perpetuals. The bloom is of the largest size. Color deep glowing red, flushed with crimson. A free bloomer; deliciously perfumed. Each 50c

Edward Mawley (H. T.)—This fine Irish Rose justly deserves all the praise bestowed. Of grand size and build and a free, continuous bloomer. Color intense crimson scarlet and of velvety texture. Each 75c

George Dickson (H. T.)—Very large, full and perfectly formed flowers freely produced. Color, blackish crimson of velvety texture, reverse of petals heavily veined with crimson maroon. A magnificent rose, invaluable for exhibition. Each 75c

General McArthur (H. T.)—A grand crimson scarlet Hybrid Tea Rose. It is very free-blooming, every shoot producing a beautiful and richly-colored bud and flower, which does not fade in the hottest sun. The flowers are large, double, of fine form and very fragrant. Each 60c

Gruss an Teplitz (H. T.)—This is a rose for everybody, succeeding under the most ordinary conditions. Rich scarlet, shading to crimson; fragrant; a free, strong grower and in bloom all the time. Each 60c

Hadley (H. T.)—Color beautiful rich, bright red. Very free and constant. A shapely, graceful bud and flower. One of the most charming and distinctive red roses. Each \$1.00

His Majesty (H. T.)—Produces blooms of immense size on fine long canes, as straight as arrows. Color dark crimson, shaded deep vermilion towards the edges. Of wonderful substance and depth of petal with high pointed center. One of the sweetest perfumed roses in cultivation. Awarded a gold medal. Each 75c

Hoosier Beauty (H. T.)—A grand new hybrid tea rose of American origin. Flowers dark crimson, shaded with maroon and veined with black; petals of remarkable substance—like so much crimson velvet; buds beautifully formed, with fine, pointed shape, opening into large, double flower. Each \$1.00

H. V. Machin (H. T.)—A splendid new exhibition rose in great demand by exhibitors at the English rose shows where it has made a name for itself because of its grand scarlet crimson flowers of such wonderful size and form. Splendid high built-up bloom of very intense coloring. Nothing finer in red roses. Each 85c

Hugh Dickson (H. P.)—This superb Irish Rose stands in the front rank as a producer of the very finest brilliant crimson-scarlet roses. Of strong, vigorous growth and free-flowering habits, one of our most favorite varieties. Each 60c

Mrs. Charles Russell (H. T.)—Strong, rank, growth, canes stout and thornless, clothed with handsome, dark-green foliage. Flowers very large and massive. Form globular and very full. Color bright rich cerise, shaded to scarlet at center. A continuous bloomer all season through. Each \$1.00

Ulrich Brunner (H. P.)—Extra large bold flowers, full and globular; color, rich glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer. Each 60c

BABY OR DWARF POLYANTHA ROSES

A type of roses which grow only a foot or two high, bear large clusters of flowers possessing great lasting qualities, and are always in bloom. They are fine for massing in beds, for bordering large rose beds or planted singly on the lawn. Perfectly hardy. Your choice of the following, each 60c; doz. \$6.00.

ANNY MULLER—Large clusters of brilliant rose-colored flowers, produced in great profusion.

BABY RAMBLER (Dwarf-bush type)—Not over 18 inches high, producing large trusses of light crimson flowers; clean, dark-green foliage.

ERNA TESCHENDORFF—Bright crimson flowers, produced in large clusters; a fine massing variety.

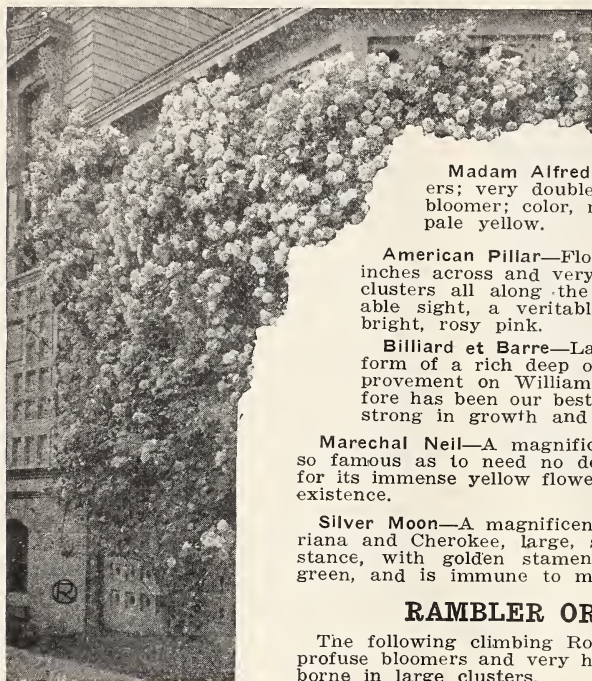
MRS. W. CUTBUSH—Clusters of pretty double, bright pink flowers, freely produced in panicles; always in bloom.

ORLEANS—Color brilliant geranium red, suffused rose, with white center, making a charming combination; bushy habit and very free flowering.

BABY TAUSENDSCHON—Pale pink flowers, becoming reflexed with carmine-rose; very beautiful.

SHOULD BUSHES ARRIVE VERY DRY, bury tops and all in damp ground or immerse in a tub of water for a few days. It will benefit them very much.

CLIMBING ROSES. HARDY, LARGE FLOWERING



The lavish profusion of bloom on Climbing Roses, literally hundreds of flowers on each plant, their beautiful colors and exquisite fragrance render them unequalled for covering houses, arbors, pergolas, fences and boundary walls.

Madam Alfred Carriere.—Extra large, full flowers; very double and sweet, and a most profuse bloomer; color, rich, creamy white, faintly tinged pale yellow. **Each 75c**

American Pillar.—Flowers saucer-shaped, three to four inches across and very lasting. They hang in immense clusters all along the branches, and make a remarkable sight, a veritable sheet of bloom. Color, clear bright, rosy pink. **Each 60c**

Billiard et Barre.—Large handsome flowers of globular form of a rich deep orange yellow color. A great improvement on William Allen Richardson which heretofore has been our best dark yellow climbing rose. Very strong in growth and free blooming. **Each 75c**

Marechal Neil.—A magnificent, deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence. **Each \$1.00**

Silver Moon.—A magnificent white climber, cross of Wichuriana and Cherokee, large, semi-double blooms of good substance, with golden stamens. Foliage is abundant, bronze green, and is immune to mildew. **Each 60c**

RAMBLER OR PILLAR ROSES

The following climbing Roses all grow vigorously, and are profuse bloomers and very hardy anywhere. The flowers are borne in large clusters.

Crimson Rambler.—This grand rose is well known and very popular; of rapid growth. Flowers in trusses, fairly covering the plant from the ground to the top. **Each 50c**

Count Zeppelin.—Immense clusters of small double coral-red flowers borne in great profusion. Very hardy and a rampant climber. **Each 60c**

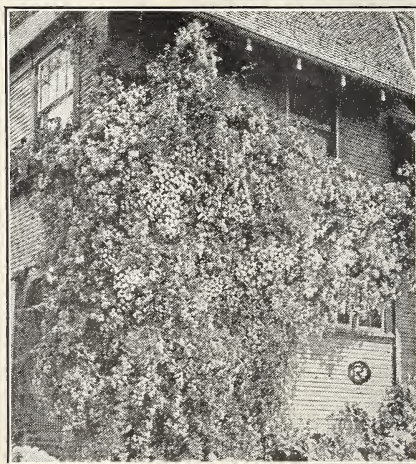
Dorothy Perkins.—(See illustration.) Flowers in immense clusters, beautiful shell pink, very double with petals artistically crinkled. **Each 60c**

Flower of Fairfield.—Brilliant crimson; base of petals white. A splendid grower and a great improvement over the old type. **Each 50c**

Hiawatha.—A beautiful single flowered variety, with flowers about 1½ inches across, hanging in long pendulous sprays over the entire bush. Color brilliant ruby-eyed with a clear white eye, the center of each flower filled with prominent yellow anthers, a striking and beautiful combination. **Each 60c**

Red Dorothy Perkins.—Fine crimson climber. Glossy-green foliage; never troubled with mildew. Flowers very double. **Each 60c**

Tausendschon (Thousand Beauties).—Entirely distinct. Large single flowers fully 3 inches across; a delightful shade of soft pink, shaded carmine and produced in trusses of from 10 to 15 flowers, each truss a veritable bouquet. **Each 60c**



Dorothy Perkins, 30 ft. High, Thousands of Blooms. A Popular Variety

Hood River, Ore., April 1, 1921.
Routledge Seed & Floral Co.

Gentlemen: I am more than pleased with the roses I ordered from you and planted last spring. Most all of them had lovely blooms and every bush is in fine, healthy condition this year.

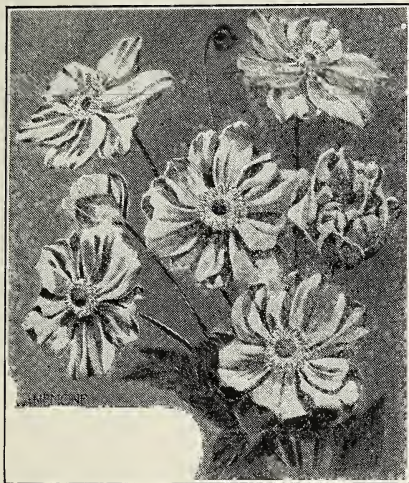
Yours truly,
MRS. CARL S. HUNTER.

HARDY PERENNIAL FLOWERING PLANTS

No class of plants enjoy greater popularity at the present time than the Hardy Perennials. They have made rapid strides into public favor the past few years, until now they may be considered to have a prominent and a permanent place in our American gardens. Once planted, they require very little care, increasing in size of plant and profusion of bloom from year to year. Most varieties can be taken up, divided and reset every third year.

LARGE STOCKS—LOW PRICES—We are in a position to supply unlimited quantities at special prices and you will find our plants are strong and well rooted. Our prices must not be compared to Eastern lists, for our plants are all hardy, field grown, worth double the average stock sold. Limited space will not permit us to list all varieties we can supply. Ask for any special varieties wanted.

PRICES—All prices postpaid—10 times the each price is dozen price. Express, freight and call orders 25c less in dozen lots.



Anemone

Anemone

JAPANESE—These beautiful Windflowers are one of the most important hardy plants. They begin blooming early in August and continue in full beauty until cut down by hard frost. Excellent for bouquets, lasting for days when cut; 2½ to 3 feet.

Each 30c; collection of 3 kinds 75c

Whirlwind—Best large pure white.

Alice—Lovely flowers, beautiful pink.

Prince Henry—Red; large, free flowering.

ALYSSUM

Gold Dust (Saxatile Compactum)—Large heads of golden yellow flowers in May and June; silvery foliage; fine for rockeries; 10 to 12 inches. Each 25c; 3 for 60c

ARABIS

Rock Cress—One of the most desirable of the very early spring flowering plants for edging and the rock garden. Forms a dense carpet, completely covered with pure white double flowers; 6 inches. Each 20c

ASTERS—HARDY

Popular and free flowering, fine for cutting or mass effect. We have eight varieties in shades of red, lavender, blue and pink; dwarf 12 to 15 inches, tall 3 to 4 feet. Each 30c; 4 colors \$1.00; doz. asst. \$2.50

Aquilegias

The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising two feet or more above the beautifully divided foliage, and are highly prized for cutting; June to September.

Mixed—Very choice. Each 30c; 3 for 75c

Bellis Perennis

English Daisy—Popular early flowering plants. Very pretty for small borders.

Double Red or White, Each 20c; doz. \$2.00

Mammoth—Extra large flowers in white or pink only. Each 25c; doz. \$2.50

Coreopsis

Lanceolata Grandiflora—Popular hardy plants. The flowers are a rich golden yellow, of graceful form and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn; it succeeds everywhere; 1½ feet.

Each 25c; 3 for 65c

Cantebury Bells

(Campanulas—or Bellflowers)

One of the most popular hardy garden plants on account of the beautiful clusters of long-stemmed, dainty yet large flowers. They are very showy. The "Calycanthema" are only "biennials."

PERSICIFOLA (Peach Bells)—Large clusters of drooping bell-shaped flowers during June and July; 3 feet.

Blue or White. Each 25c; doz. \$2.50

CALYCANTHEMA (Cup and Saucer Canterbury Bells)—A beautiful form of this favorite flower. (See cut.)

Blue, Rose or White. Each 25c; doz. \$2.50

Chrysanthemums

They produce a lavish profusion of blooms after most flowers are gone; very popular.

Hardy Pompom—Small ball-shaped flowers. We offer four colors.

Yellow, Red, Pink or White.

Each 25c; 4 for 85c

Doronicum

One of the most effective and very early spring flowering perennials, growing about 2 feet high, producing a profusion of Marguerite-like golden yellow flowers of much beauty and elegance. It is a splendid flower for cutting.

Each 25c; doz. \$2.50

Dianthus

Deltoides (Maiden Pink)—A charming creeping variety, with medium-sized pink flowers in June and July; especially suited for the rock garden or borders. Each 25c

HARDY PERENNIAL FLOWERING PLANTS—Continued

NOTE—25c plants are \$2.50 doz.; 30c, \$3.00 doz. See note top page 25

Delphinium

(Hardy Larkspur)

These are deservedly one of the most popular subjects in the hardy border, bold, attractive and highly prepossessing plants of easiest culture; perfectly hardy; 4 to 6 feet. Fine for cut flowers, June to November; when the first blooms are faded, cut all foliage close to the ground and a second crop will come. (See cut).

Choice Mixed, all shades.

Each 25c; doz. \$2.50

Gold Medal Hybrids—Unquestionably the finest strain of hybrids from the best named varieties. Very large flowers in mostly light, beautiful shades.

Each 30c; doz. \$3.00

Moerheimi—A new and continuous bloomer; pure white; 5 feet tall.

Each 75c

Belladonna—A free and continuous bloomer; flowers clear turquoise blue; very beautiful; long flower spikes.

Each 35c

Formosum—Dark blue, white centers; an old favorite; 3 to 4 feet high.

Each 30c



Dicentra—Bleeding Heart

Dicentra

(Bleeding Heart)

An old-fashioned favorite; its long racemes of graceful heart-shaped pink flowers are always attractive. Perfectly at home in any part of the hardy border, and especially valuable for planting in the shade.

Each 60c; very scarce

Digitalis

(Foxglove)

Old-fashioned, hardy, desirable plants with broad foliage and showy flowers borne on spikes. June and July; 4 to 6 feet.

Mixed colors. Each 25c

Forget-Me-Not

(Myosotis)

Palustris—A variety that is hardly ever out of flower; useful in a shady spot in the border.

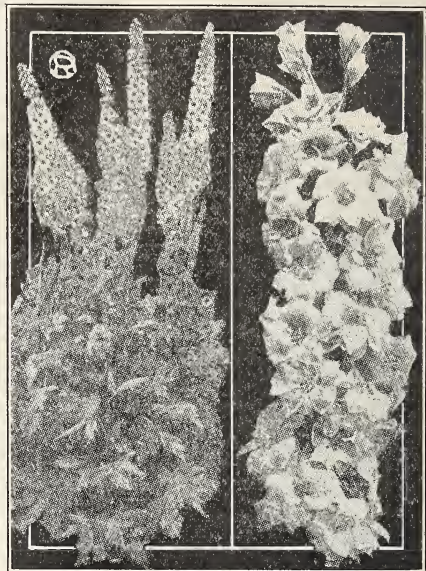
Each 25c; doz. \$2.50

Gaillardia

(Blanket Flower)

Among the showiest and most effective of perennial plants, blooming continually from early summer on through the season. Grows 2 feet high. Flowers about 3 inches across, dark red in center with rings of crimson and vermillion encircling same on a golden yellow ground.

Grandiflora. Each 30c; 3 for 75c



Delphinium (Plant and Flower Spine)

Geum

A showy border plant, growing about 18 inches high and producing all summer and fall brilliant double scarlet flowers in large clusters. This new variety is a fine advance from the older sorts heretofore grown. We consider this the finest red hardy plant.

Mrs. Bradshaw, Double.

Each 30c; 3 for 75c

Heidreichi, Single.

Each 25c; 3 for 70c

Gypsophila

(Baby's Breath)

Fine, delicate foliage. Minute white flowers borne in enormous quantity in open panicles during summer months. Be sure and have a few plants of this for cutting, as it works up beautifully in bouquets of other flowers; 3 to 4 feet.

Paniculata.

Each 25c to 35c

Hemerocallis

Day Lily—Three feet; May and June. Flowers clear, full, yellow or orange; very fragrant; fine for cutting.

Flava—Lemon yellow.

Each 30c

Fulva—Orange.

Each 30c

Hollyhocks

Stately, majestic, hardy plants, necessary to every old-fashioned garden. Their large, brilliant flowers are very showy. Rich soil, plenty of water and a spraying of "Bordeaux" should they show rust or mildew, will grow them to perfection; 6 to 8 feet.

Single or Double, in separate or mixed colors.

Each 25c; doz. \$2.50

Hypericum

(St. John's Word)

Moserianum (Gold Flower)—Of drooping, training nature. Fine for rockeries, etc. Free flowering. Rich golden-yellow; June to frost.

Each 25c; clumps 50c to 75c

FOR BEST RESULTS, plant these hardy perennials in the fall or early in the spring before new growth gets too far advanced.

PRICES—All prices postpaid—10 times the each price is dozen price.

Phlox

Among the hardy perennial plants no class is of more importance than the Phlox, succeeding in almost any soil and position, and flowering through a long season. Excellent for cutting and decorating or for mass effects. Keeps well in winter.

STANDARD COLLECTION

A choice collection of standard varieties. Our selection. Each 30c; doz. \$3.00

Novelty Collection

New, rare and rich; flowers of largest and best types; very choice.

Your choice. Each 35c; 1 plant of each variety (8) \$2.25, postpaid.

Asia—One of the most valuable recent introductions, a delicate shade of mauve, with a crimson carmine eye. Very free blooming.

Europa—A white variety with very decided crimson carmine eye; the individual flowers as well as the trusses are very large, entirely distinct.

Elizabeth Campbell—Very bright salmon pink with lighter shadings and dark crimson eye; an entirely new and much wanted shade in Phlox.

Frau Anton Buchner—The finest white variety yet introduced, having the largest truss and individual flower; of dwarf habit.

General Von Heutsze—Immense trusses of very large flowers; color, the most brilliant salmon red imaginable. Simply grand.

Le Mahdi—Immense panicles of deep velvety purple flowers. Very rich and striking.

Rynstrom—An improved form of the popular variety Pantheon; fine for massing, of a Paul Neyron Rose color.

Sir Edward Landseer—Rich bright crimson flowers in large panicles; 3 feet high. A rare and beautiful variety.

Poppy

Nudicaule (Iceland Poppy)—A beautiful class of hardy poppies. Flower stems about a foot in height, bearing elegant cup-shaped flowers, ranging in color from white to scarlet, but most valuable in the yellow and orange shades. Valuable for cut flowers, lasting well when cut.

Mixed All Colors, each 25c; doz. \$2.50

Oriente—Very large flowers; bright red with a black blotch at the base of each petal. June to July; 3 feet.

Each 25c; doz. \$2.50

NEW ORIENTAL POPPIES

Fine subjects for massing or planting singly in the hardy garden. We offer five new kinds recently brought from England.

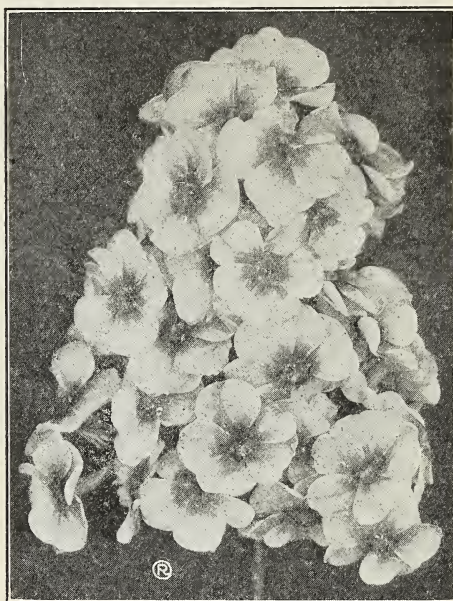
Each 40c; set of 4 sorts \$1.50

Gerald Perry—Large flowers of a beautiful apricot pink, conspicuously blotched crimson.

Goliath—Fiery crimson scarlet with black blotches at base of petals; very large.

Lady Frederick Moore—Clear, light salmon, prominent black center; of fine size.

Perry's White—Large, pure white flowers of satiny texture. Large crimson blotch at base of each petal. The rare new variety.



Phlox Decussata

Rudbeckia

(Golden Glow)

Indispensable for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Flowers beautiful golden-yellow; very double. Marvelous continuity of bloom from June till late fall; 6 to 8 feet.

Small plants 25c; large 35c

Shasta Daisy

Very large daisy-like flowers, often measuring 4 to 5 inches across, having three or more rows of petals of the purest white. Flowers produced in great profusion on long strong stems. Very popular; 2 to 3 feet.

Each 25c; Clumps 40c to 50c

Tritoma

(The Everblooming Flame Flower)

Pfitzerii—Blooms from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses.

Each 30c

Violets

Of all the delightful perfumes, that of the Sweet Violet is the most delicate and pleasing, and places this modest flower among our greatest favorites. They commence to bloom as soon as the cold weather comes in the fall and flower even more profusely in the spring.

Each 20c; doz. \$2.00

Wall Flower

Double English—A fine old hardy garden plant seen in every English garden. Grows about 18 inches high and produces early in the spring, rich colored spikes of bloom in various shades of yellow and brownish red.

Yellow or Red.

Each 30c

Mixed.

Each 25c; 3 for 60c

FEED YOUR PLANTS—You must supply "food," in other words fertilizer, if you want the best results. Read about "Wonder" and "C-M," page 45.

HARDY FLOWERING & ORNAMENTAL SHRUBS

NOTE—"D" following the name stands for Deciduous, "E" Evergreens.

Shrubs, deciduous and evergreen, are as much a part of the well-balanced garden as the lawn or flower borders. They are ornamental and highly useful as cut flowers. A well-arranged planting presents an attractive appearance throughout the entire year.

SHIPPING—At the prices given we send large, well-branched bushes from 2 to 5 years old, grown in the open ground. As our shrubs are, for the most part, large and heavy, we usually send them by express or freight. By request, small sizes can be sent by parcel post, but you should add at least 15c to 20c extra per single plant to cover packing and postage.



Flower Spray of Crenata Deutzia

AZALEA (D)

MOLLIS—Blossoms in early spring, before the leaves appear. Pink or White only.

Each \$1.50 to \$2.00

BARBERRY (D)

Fine for massing, banking, hedges or even as single specimens. Dainty, early flowers, showy, small leaved foliage and berries in the fall and winter make them very popular.

THUNBERGII—A beautiful Japan variety of dwarf habit. Small foliage, changing to beautiful red in autumn. Bright scarlet berries all winter. Each 60c, 75c and \$1.00

PURPUREA (Purple Barberry)—Foliage a beautiful deep purple all the year; a splendid specimen shrub and almost indispensable in contrastive groupings.

Each 60c, 75c and \$1.00

COTONEASTER

Very popular plants with minute, deep, glossy green foliage and bright red berries that hang on all winter.

Small plants of the following, 50c to 60c each:

HORIZONTALIS—A plant of prostrate habit of growth; admirable for covering low walls or to use in rock work. Choice plants.

Each \$1.00 to \$2.50

MICROPHYLLA (E)—Smaller shrub than above variety, evergreen leaves; white bloom, berries bright red and last well.

Each \$1.00 to \$2.50

SIMONDSII (D)—A beautiful upright growth with fruit of a rich, deep orange color.

Each \$1.00 to \$2.50

A Good Book

PRACTICAL LANDSCAPE GARDENING

This new book, written by Robt. B. Gridland, is without a shadow of a doubt the best book we have read. Contains 91 illustrations, 67 sketches and 33 plans. Enamel paper, well bound, 266 pages. Price, \$2.65, postpaid.

DEUTZIAS (D)

Their hardiness, fine habit, luxuriant foliage and profusion of attractive flowers in May and June render them among the most beautiful and most popular of flowering shrubs.

Price, your choice, 60c, 75c and \$1.00

GRACILIS ROSEA—Dwarf growing with sprays of pretty light pink flowers late in the spring. A beautiful shrub.

LEMOINEI—Flowers very large and produced in broad-based, cone-shaped heads of from 20 to 30 flowers each, of purest white, 3 to 4 feet.

PRIDE OF ROCHESTER—Flowers very double and full; pure white, tinged with bluish; great profusion. Grows 4 to 6 feet.

GEINSTA (E) Broom

Large plants of the following, 3 to 4 feet, bushy:

ALBA—Pure white. Each 50c to 75c

ANDREANA—Red and yellow flowers; very pretty. Each \$1.00

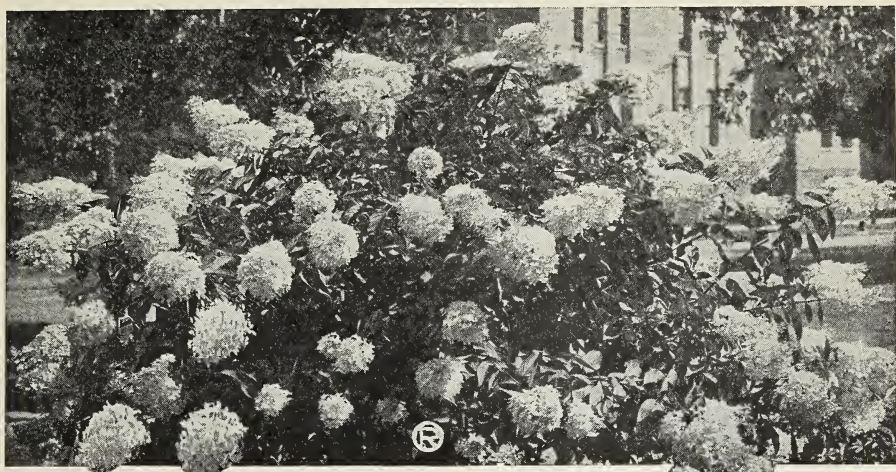
SCOPARIA (Scotch Broom)—Rapid growing; yellow flowers in May. Each 50c to 75c



Hydrangea Hortensia

(See next page.)

Feed Your Plants—You must supply "food," in other words, fertilizer, if you want the best results. Read about "Wonder" and "C-M," page 45.



Hydrangea Paniculata Grandiflora

HYDRANGEA (D)

HORTENSIA—One of our most popular and showy lawn plants. Often grows in pots or tubs. Ornamental foliage and beautiful flowers in large, flat trusses. (See cut.) The beautiful pink variety is most popular, but we can supply **White, Pink or Blue**. Young plants, 50c. Large plants, according to size and number of flower shoots, 75c, \$1.00, \$1.50. Large specimen plants, \$2.50 to \$4.00. (See cut, page 28.)

PANICULATA GRANDIFLORA — The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year; excellent for hedges or massing; unsurpassed for the lawn; blooms in July and August, and continues in bloom for two or three months. The flowers are massive, cone-shaped, sometimes 10 inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Young plants, 50c; strong plants, 2 feet and up, each 75c to \$1.00; tree shaped, \$1.50.

LILACS (D)

Everyone loves the lilac and no garden is complete without one or more. The new imported grafted varieties are very beautiful and produce magnificent, large flowers.

COMMON WHITE OR PURPLE.

Each, 3 to 4 ft., 75c to \$1.00; larger, \$1.50 to \$2.00.

IMPORTED BUDDED VARIETIES—Your selection following named varieties, 3 to 4-year-old select plants, \$1.50 to \$2.00. (Not mailable):

GEORGE BELAIR (Single) — Beautiful flowers, purple.

MARIE LE GRAYE (Single) — Beautiful creamy white flowers of immense size.

MME. LEMOINE (Double) — Fine double white variety; very fragrant.

MAD. CASIMIER PERIER (Double) — Fine creamy white.

MICHAEL BUCHNER (Double) — The best pale lilac or lavender.

CHARLES BALTET (Double) — Long trusses; double; beautiful rosy lilac or purple.

HAWTHORNE (D)

A beautiful flowering shrub that grows to be a fair-sized tree.

DOUBLE WHITE or RED—5 to 6 ft., \$1.00; 6 to 8 ft., \$1.25 to \$1.50.



Single Lilac—Marie Le Graye

QUINCE (D) Cydonia

JAPONICA—Bright scarlet single, flowers very early in the spring, before the leaves appear. Thorny, compact growth. One of our best hardy shrubs. Small, each 60c; large, 3 to 4 ft., each 75c to \$1.00.

NOTE—"D" stands for Deciduous plants that drop their leaves in the fall. "E" for Evergreens that retain their foliage all year.

HARDY FLOWERING SHRUBS AND ORNAMENTALS—Continued

SPIREAS (D)

Graceful shrubs, everyone should plant. They are of the easiest culture, and very desirable in collections. All the Spireas bloom with a riotous extravagance which makes them quite striking. Their individual style, color and habits of growth differ so markedly, that a collection of varieties will insure bloom the entire season.

ANTHONY WATERER—Covered nearly the whole growing season with large umbels of deep crimson flowers.

Small 75c; large \$1.00 to \$1.25

VAN HOUTTEI (Bridal Wreath)—The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing; perfectly hardy and an early bloomer. (See cut.)

Small plants, 60c; large 75c to \$1.00

THUNBERGII—Of graceful habit; the branches are slender and somewhat drooping; foliage in autumn changes to bright red and orange; flowers in feathery masses, white, appearing early.

Small plants 60c; large 75c to \$1.00

SNOWBALL (D)

STERILIS (Common Snowball)—Blooms in latter part of May. Flowers pure white, large balls. Every one should plant a Snowball. Each, small plants, 60c; 3 to 4 ft., each, 75c to \$1.00; extra choice, 5 to 6 ft., \$1.25 to \$1.50.

PLICATUM (Japanese Snowball)—One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers; covered with bloom for weeks in the spring; grows 4 ft. to 6 feet high; entirely hardy. Each, 2 ft., 75c; 2 to 3 ft., \$1.00.



Weigela (Flowers one-half Natural Size)



Spirea Van Houtte

~~~~~  
**ALWAYS REMOVE** the packing and moss from the trees before planting. **NEVER** put manure so as to come in contact with the roots of any plant or tree. Use only good soil on and around the roots.  
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SYRINGA (D)

Mock Orange—A valuable class of hardy shrubs of vigorous growth, bearing for the most part fragrant white flowers during late spring and early summer.

AUREA—Beautiful golden yellow foliage, white flowers of orange-like fragrance. Each 75c to \$1.00.

LEMOINEI—Slender, graceful branches covered with snowy white flowers of delightful fragrance. Each 60c and 75c.

VIRGINALE—Dwarf growing syringa covered in June with pure white flowers. Very fragrant. Each 60c and 75c.

TAMARIX

GALLICA—A tall, slender growing shrub with fine, feathery foliage like that of a Juniper. Branches covered in the early summer with delicate pink flowers. A graceful and beautiful shrub. Each 75c.

WEIGELA (D)

Beautiful shrubs that bloom in May, June and July. The beautiful trumpet-shaped flowers are produced in so great profusion as to almost entirely hide the foliage. They are very desirable for the border or grouping, and as specimen plants.

Prices: Following, each 60c, 75c and \$1.00.

CANDIDA—Beautiful white flowers; a continuous and profuse bloomer; very hardy.

ROSEA V—Lovely, large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom.

EVA RATHKE—This variety is quite scarce and rare. Has beautiful blood-red flowers. Free bloomer. Each \$1.00.

Newberg, Ore., March 3, 1921.

Routledge Seed & Floral Co.

Dear Sirs: I received the seeds, also the Clematis, and they are just fine.

Yours very respectfully,

MRS. FRANK LOWE.

DON'T

Be misled by the fine catalogs with little prices sent out from the East. Buy our field-grown plant, much larger and better than the weakly Eastern stock.

EVERGREEN SHRUBS AND TREES

In moving evergreens, they are generally taken up with a ball of earth about the roots; this makes it necessary to ship them by express or freight only. The stock we offer has been moved in the nursery every two years. This insures their living, and they are worth double the ordinary stock.

ACUBA

JAPONICA—Beautiful, broad-leaved evergreen, with leaves speckled and striped golden yellow; elegant shrub for specimen on the lawn or for planting among other shrubbery; bears bright red berries in winter time. 1 to 1½ ft., \$2.00 to \$3.00; very scarce.

ARBOR VITAE

GOLDEN—An attractive, hardy, compact evergreen of a beautiful golden yellow. Each, 2 to 3 ft., \$3.00

AZALEA

A. CRIMSON—A hardy evergreen species. These are dwarf, compact growers. Foliage small; flowers dazzling crimson. Each \$2.50

BOXWOOD

A compact, small leaved evergreen that can be trimmed into balls, box or pyramidal shape.

DWARF, COMMON—Fine for borders, edgings or low hedges. Hedge plants, 6 in., each 30c; per 100, \$25.00. Specimen plants globe shaped. Each \$2.50 to \$5.00

CEDAR

DEODORA (Deodar or Indian Cedar)—Of vigorous growth; pyramidal form; graceful foliage of a light, silvery or glaucous green. Each, 2 ft. up, \$3.50 to \$5.00

EUONYMOUS

Slow growing, compact, pretty leaved shrub.

JAPONICA—Green or Variegated. Very attractive. Each, \$1.00 to \$1.50

HOLLY

Very popular everywhere.

English (Aquifolia)—Budded stock, guaranteed berry-bearing. Well balled and carefully packed. Each, 2 to 3 ft., \$2.50 to \$3.50; specimen plants, 3 to 5 ft., \$5.00 to \$7.50 and up.

JUNIPER

IRISH—Very desirable, pyramidal in form, foliage light green or silvery gray.

Each, 2 to 3 ft., \$2.00 to \$3.00

LAUREL

ENGLISH—A small tree, or bush, with handsome shining thick foliage. Excellent for large hedges or screens or as single specimens. 18 to 24 inches, each 75c; 2 to 3 ft., \$1.00; 3 to 4 ft., \$1.50.

LAURUSTINUS

Beautiful evergreen shrub with bright shining green leaves and covered in the late fall, winter and early spring with large panicles of fragrant white blossoms. Small, \$1.00 each; 1½ ft., \$1.50; 2 to 3 ft., \$2.00 to \$3.00.

PRIVET

One of the best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care. California.

Strong field plants, 12 in. up, per 10, \$1.50; per 50, \$6.00; per 100, \$10.00; 2-year-old plants, 24 in., per 10, \$2.00; per 50, \$7.50; per 100, \$12.50.



RHODODENDRON PLANT
"Balled in earth." Can be moved any time from October to June. Not available.

RHODODENDRONS

Stock very scarce. We have a limited number of choice budded named varieties that will bloom this year in **White, Lavender, Pink and Red** at \$3.50 to \$5.00 each.

SPRUCE

EXCELSA (Norway Spruce)—One of our most popular evergreens; dark green. Specimen plants, \$2.00 to \$4.00 each.

KOSTERI PUNGENS, GLAUCA—A beautiful variety on account of its magnificent, rich, silvery blue color. We offer only the "true blue" imported from Holland. Each, 2 to 3 ft., \$10.00; 4 to 5 ft., \$15.00 to \$18.00.

YUCCA

A stately foliage and flowering plant equally imposing in solitary or group plantings, always conspicuous. The broad, sword-like foliage is evergreen; while midsummer shows great erect branching stems bearing a showy display of pendant, creamy-white bells.

Prices: 2-year and up, 50c, 75c and \$1.00; 18 to 24 in., \$1.50.

OTHER EVERGREENS—If you want Evergreen Plants or Shrubs not listed above, write us for prices. There are limited quantities of many kinds in our local nurseries but not enough to catalog. We'll be glad to quote prices and secure stock of anything available.

If there is any information or advice that you wish, we will be glad to serve you to the best of our ability. Twenty years' practical experience on the Coast enables us to serve you intelligently.

NUT TREES

RAISE ENGLISH WALNUTS—We can successfully raise English Walnuts here in the Pacific Northwest, and the quality of the nuts is superior to most other sections. Plant a tree or two at least, for your own use, and if you have a large place, plant more. While the cost of grafted stock is more, we advise you to plant them, as there is "no chance" as to quality of the nuts.

WALNUTS (D). Grafted Stock—This year we are prepared to supply you with Oregon-grown trees that are extra select and **ESPECIALLY FINE ROOTED**, much superior to the California trees on account of the fine growth of strong, fibrous roots. The stock we offer is Voorman's famous Franquette grafted on California black walnut roots.

Prices: 4 to 6 ft., each \$2.00; per 10 \$17.50; 6 to 8 ft., each \$2.50; per 10 \$20.00.

SEEDLING STOCK—Not grafted. Prices: Each, 4 to 6 ft., \$1.25; 6 to 8 ft., \$1.50.

HICKORY NUT—3 to 4 ft., \$2.00.

BUTTERNUT—75c to \$1.00.

ALMONDS—IXL-Nonpareil or Ne Plus Ultra—1 year, 3 to 5 ft., each 75c; 10 for \$6.00; 100 for \$50.00.

JAPANESE CHESTNUT—3 to 5 ft., \$1.00.

FILBERTS—Barcelona and Du Chilly—2 to 3 ft., each 75c; doz. \$7.50; suckers 50c each; \$5.00 doz.

SHADE AND ORNAMENTAL TREES

The following are our most popular varieties. If you want some other kind, inquire; we, no doubt, can supply.

NOTE—We make a packing and shipping charge on out-of-town orders as follows:
One tree, 50c; 6 trees, \$1.00; 12 trees, \$1.50.

BIRCH (D)

Remarkable for its elegance; very graceful; silver bark and slender branches.

EUROPEAN WHITE—6 to 8 ft. Each \$1.50

WEeping CUT-LEAVED (alba lancinatifolia)—Charming tree; gracefully drooping branches, silvery white bark and delicately cut foliage present a combination of attractive characteristics rarely met with in one tree, 7 to 8 ft., \$2.25; 10 ft., \$3.00

CATALPA (D)

A beautiful shade tree. White flowers in July.

SPECIOSA—6 to 8 ft., each \$1.50.

CHESTNUT (D)

Very popular, stately shade trees. Extensively planted for shade.

HORSE, EUROPEAN, RED FLOWERING—Much slower grower than the white. 5 to 6 ft., \$1.25 to \$1.50.

HORSE, WHITE FLOWERING—4 to 5 ft., \$1.00; 6 to 8 ft., \$1.25; 9 to 10 ft., \$1.50; 10 to 12 ft., \$2.00.

AMERICAN SWEET—4 to 6 ft., \$1.25.

SPANISH—4 to 6 ft., \$1.25; 7 to 8 ft., \$1.50.

ELM (D)

One of the most popular and best shade trees. Very desirable for street.

AMERICAN WHITE—6 to 8 ft., each \$1.50; 8 to 10 ft., \$2.00.

LINDEN (D)

Very desirable and beautiful trees for park or street planting; large heart-shaped leaves, white flowers; rapid growers. 8 ft. up, each \$1.50 to \$2.00.

MAPLE

SILVER VARIEGATED (A. Negundo Variegatum)—Most attractive; leaf is variegated white and green. 4 to 6 ft., \$1.50; 6 to 8 ft., \$2.00.

TRANSPLANTING—When transplanting trees of any kind, trim and prune off one-fourth to one-third of last year's growth; the cut roots cannot support the full top the first season.

NOTE—Write for special prices if you want shade trees in quantities for large plantings.

LARGE GROWING MAPLES FOR SHADE

Your choice of the following kinds: 7 to 8 ft., \$1.25; 8 to 10 ft., \$1.50; 10 to 12 ft., \$2.00.

NORWAY—Of large, compact habit; broad, deep green shining foliage, and stout, vigorous growth.

OREGON—Wide-spreading branches and large foliage; very rapid growth.

SILVER OR SOFT—Native tree of rapid growth; foliage bright green above and silvery white beneath.

SUGAR or HARD—Of upright habit of growth; dense shade; extensively used.

ASH-LEAVED—A fine, rapid-growing variety, with handsome, light green foliage and spreading head; very hardy; desirable for street planting.

PURPLE-LEAVED SYCAMORE MAPLE—A purplish tone is imparted to the tree by the purple under-surface of its leaves; the effect being very fine when the leaves are in motion.

MOUNTAIN ASH (D)

Very ornamental trees, especially when covered with its clusters of red berries in the fall. 7 to 8 ft., \$1.25; 8 to 10 ft., \$1.50.

POPLAR (D)

These well known trees are planted largely for windbreaks and ornamental purposes; very rapid growers.

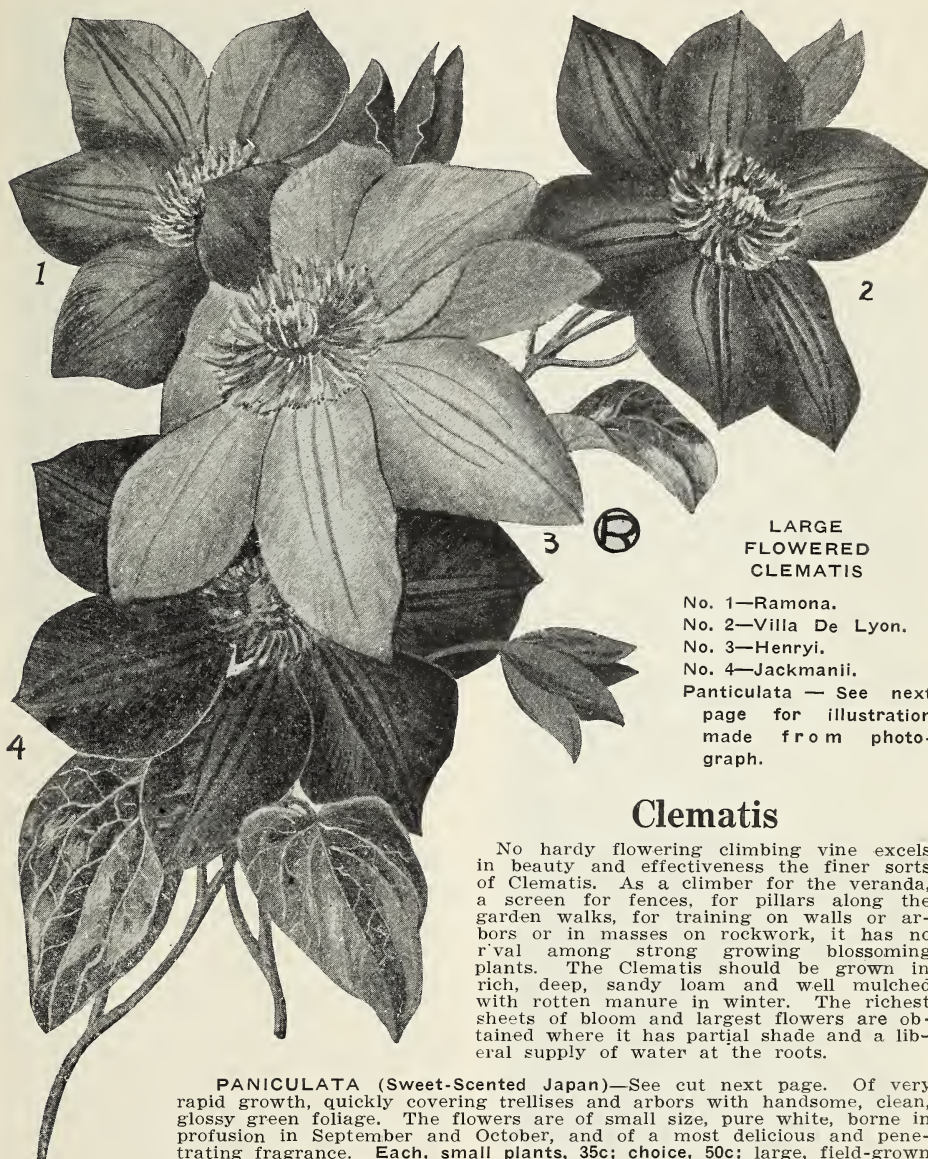
CAROLINA—Pyramidal; Lombardy—Tall and spiral, 7 to 8 ft., 75c; 8 to 10 ft., \$1.00.

NOTE—Very low price for quantities.

TULIP TREE (D)

A rapid-growing tree, with rich, glossy foliage; flowers tulip-shape, greenish yellow; a fine shade tree. 7 to 8 ft., \$1.50; 8 to 10 ft., \$2.00.

BEAUTIFUL HARDY CLIMBING VINES



LARGE FLOWERED CLEMATIS

- No. 1—Ramona.
 No. 2—Villa De Lyon.
 No. 3—Henryi.
 No. 4—Jackmanii.
 Paniculata — See next page for illustration made from photograph.

Clematis

No hardy flowering climbing vine excels in beauty and effectiveness the finer sorts of Clematis. As a climber for the veranda, a screen for fences, for pillars along the garden walks, for training on walls or arbors or in masses on rockwork, it has no rival among strong growing blossoming plants. The Clematis should be grown in rich, deep, sandy loam and well mulched with rotten manure in winter. The richest sheets of bloom and largest flowers are obtained where it has partial shade and a liberal supply of water at the roots.

PANICULATA (Sweet-Scented Japan)—See cut next page. Of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of small size, pure white, borne in profusion in September and October, and of a most delicious and penetrating fragrance. Each, small plants, 35c; choice, 50c; large, field-grown plants, 60c and 75c each. *

LARGE FLOWERING—The following kinds bloom early and remain a long time. Very large and showy. Your choice of the following strong, two-year-old, field-grown roots, \$1.00 each, postpaid:

Ramona—Beautiful sky-blue or lavender; very free flowering.

Ville de Lyon—The best bright red; equal to Jackmanii in size.

Henryi—Fine large creamy-white flowers. A strong grower and great bloomer.

Jackmanii—Intense violet-purple; most popular variety; extra large flowers in great clusters.

Duchess of Edinburgh—A free flowering double white variety; very fragrant.

Important.—When planting Clematis and other vines be sure you spread out the mat of fine roots so that the soil comes in contact with all of them, otherwise they will dry out and die. Be very careful with Clematis especially. Use "Wonder" and "C-M," page 45.

HARDY CLIMBING VINES—Continued

JASMINE

A fine climber; beautiful foliage and pretty flowers. White, Yellow or Pink; each 60c to 75c.

AMPHELOPSIS

VEITCHI (Boston Ivy, or Japan Ivy)—The most popular and desirable climbing plant for covering brick, stone or cement walls, etc.; when it becomes established at the root it is of very rapid growth and clings to the smoothest surface. The foliage is of a rich olive green during the summer, changing to various shades of bright crimson and scarlet in the fall. In planting cut back to within 6 inches of the ground, so that the new growth may cling to the wall from the bottom up. Strong plants, 50c to 60c; extra strong, 75c to \$1.00.

QUINQUIFOLIA (Virginia Creeper, or American Ivy)—This well-known climber is one of the best and quickest growing varieties for covering trees, trellises, arbors, etc.; its large, deep green foliage assumes brilliant shades of yellow, crimson and scarlet in the fall. Strong plants, 60c; extra strong, 75c to \$1.00.

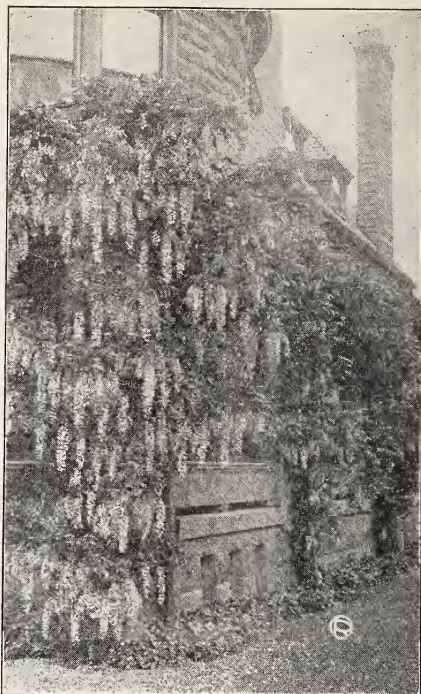
HONEYSUCKLE

A beautiful climber, rapid grower and very desirable; flowers very fragrant, and produced in great profusion.

Your choice of the following, 60c to 75c each; extra strong, \$1.00.

Halleana—Very popular; almost evergreen; profuse bloomer; flowers white, passing to yellow.

Belgica (Monthly Fragrant)—Flowers are large; color red and yellow.



Wistaria Vine in Bloom

IVY EVERGREEN

COMMON ENGLISH—Thick, leathery, evergreen leaves. Strong grower. Good roots, each 25c; large 50c.

EUONYMUS

One of the finest evergreen vines, with small, rich green leaves and foliage. For covering rocky banks, rough walls, tree trunks, etc., also for vases, boxes and borders of beds.

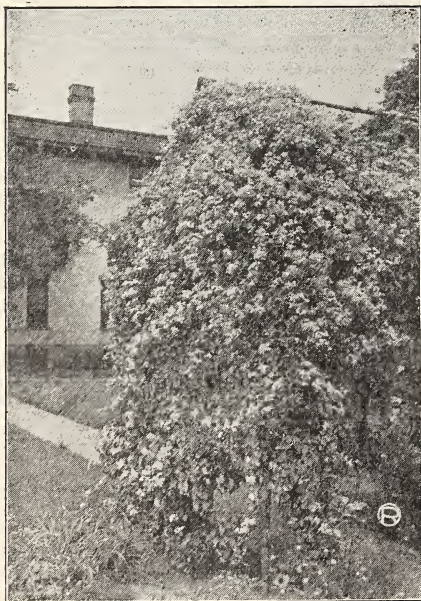
GREEN OR VARIETAE—Each 50c to 75c; doz. \$5.00 to \$7.50.

WISTARIAS

WISTARIAS—The strongest growing of all hardy vines, easily reaching the roof of a two-story building in a few years if given a chance to climb. Our illustration gives an idea of the value of these vines as a decorative subject. They are as hardy as an oak tree and will grow and bloom in any locality. The flowers appear with the first leaves late in the spring and hang like great bunches of grapes, to the admiration of all who see them. All the varieties are very sweet-scented, as can be attested to by the bees, who are attracted to them when in bloom in the spring.

SINENSIS BLUE—A very rapid growing, hardy climber; lovely long panicles of dark blue flowers, produced in the most wonderful profusion. Strong vines. Each \$1.00 to \$1.50.

SINENSIS ALBA—Like the preceding, but with beautiful white flowers in long panicles. A veritable sheet of bloom in late spring. Strong vines, each \$1.00 to \$1.50.



Clematis Paniculata

(See page 33)

"MAKE 'EM HOP"—If you will mix a cup full of Wonder Fertilizer with 5 lbs. "C-M" and work both thoroughly into the soil around your climbers, you will get wonderful growth and lovely flowers. See page 45.

Fruit Trees, Bushes, Vines and Plants

OUR SHIPPING SEASON for the above is from November 1 to April 1. Some seasons May 1, although it is too late for best results. We advise late fall or early spring planting while stock is dormant.

HOW WE SHIP—Unless otherwise instructed, we ship by express or freight, whichever is cheapest. In extreme cases and when necessary, 1-year fruit trees, 3 to 4 feet only, can go by parcel post at an increased cost of 25% on per 10 or dozen prices, or 15c each on single trees, to cover postage and careful packing.

CARE OF STOCK UPON ARRIVAL—If you are not ready to plant, dig a trench and "heel" in. If ground is frozen, put in a cellar and keep roots damp.

NO STOCK SENT C. O. D.

SUBSTITUTION

When varieties of the tree ordered cannot be supplied or bought locally, others equally as good of the same season and correctly labeled will be substituted, unless otherwise ordered.

APPLES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 ft....	\$4	\$3.50	\$30.00
One year, 4 to 6 ft....	.50	4.50	40.00
Selected .....	.75		

Write for our low prices per 1000.

SUMMER VARIETIES

RED ASTRACHAN—Medium deep crimson, flesh white, moderately juicy, with an agreeable rich flavor; very productive.

YELLOW TRANSPARENT—Medium size, roundish, slightly conical; skin pale yellow, flesh tender, juicy, sub-acid; good.

AUTUMN VARIETIES

GRAVENSTEIN—Large, beautiful yellow, dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous; very popular sort.

KING OF TOMKINS COUNTY—Very large, globular; red striped; vigorous and productive; excellent quality; juicy, rich flavor.

WEALTHY—Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy.

WINTER VARIETIES

BALDWIN—Large, rounded; deep, bright red; very productive; one of the best and most popular winter apples.

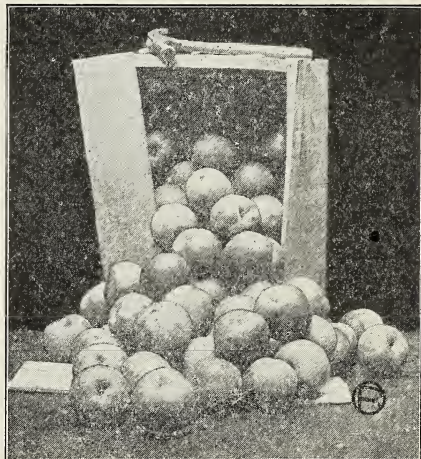
DELICIOUS—A splendid apple; coming in prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use; late; keeps till April.

NORTHERN SPY—Large, round, greenish-yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.

ORTLEY (White Bellflower)—Fruit medium to large, yellow; sometimes with a sunny cheek; flesh white, fine-grained, tender, juicy, sub-acid.

TRANSCENDENT—Fruit very large, skin yellow, striped with red; the best of its class for cider. September.

YELLOW SIBERIAN—Fruit small, golden yellow; good variety. Ripens in August.



SPLITZENBERG—Large, oblong, yellowish ground with broken stripes of bright red; flesh yellow, juicy, with a delicious rich flavor.

WINTER BANANA—Winter; yellow; bluish cheek; sub-acid; medium size; a good keeper; a handsome apple; fine flavor, tender and delicious.

YELLOW NEWTOWN PIPPIN—Large, skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

GRIMES' GOLDEN—Of the highest quality; large, yellow; very productive.

JONATHAN—Yellow, covered with red; of excellent quality and heavy cropper.

RHODE ISLAND GREENING—Greenish yellow; large; very rich flavor.

ROME BEAUTY—Large, yellow, shaded bright red; juicy sub-acid; good bearer.

WINESAP—Medium size, streaked with red; firm, crisp and excellent; widely cultivated.

CRAB APPLES

Each 75c; per 10, \$6.00

FLORENCE—Size medium; red striped; early bearer; bearing full crop each year; tree immensely productive; juicy and crisp. September.

HYSLOP—Large, dark crimson; popular; a hardy variety. Late.

NOTE—Order other varieties if you wish. We have many kinds not listed.

CHERRIES

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 feet...	\$.75	\$6.50	\$60.00
1 year, 4 to 6 feet...	1.00	8.50	75.00
Selected, 1 year.....	1.25	10.00	

BING—Originated in Oregon; fruit large, dark brown or black; very fine; late; a good shipping variety.

KENTISH (Early Richmond)—Light red, juicy; one of the best acid cherries and unsurpassed for cooking purposes; very productive.

LAMBERT—Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann.

LATE DUKE—Large, light red; late and excellent; sub-acid.

NEW—THE "BURBANK"—A rich, fine flavored, dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer.

MONTMORENCY—Large, sour fruit, similar though larger than the Early Richmond; quite hardy. May.

PEACHES

Unless otherwise priced	Each	Per 10	100
1 year, 4 to 5 feet...	\$.60	\$5.00	\$45.00
Selected, 1 year.....	1.00	8.00	

EARLY CRAWFORD—Very large, yellow; with red cheek; flesh sweet and excellent. Our most popular peach for table and canning; freestone.

EARLY ALEXANDER—One of the largest and best of the extra early varieties; almost freestone; tree bears young.

ALBERTA—Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone; early.

EARLY CHARLOTTE—An improved seedling from Early Crawford, originated at Salem, Ore. This remarkable peach succeeds in Oregon, where many other varieties fail. Flesh yellow, melting and juicy, with a rich and excellent flavor; freestone; ripens ten days after Crawford's Early.

LATE CRAWFORD—Very large, roundish; yellow, with dark red cheeks; flesh deep yellow, juicy and melting; flavor rich and excellent; very popular; valuable for canning and drying; freestone.

HALE'S EARLY—Skin greenish white, red cheek, flesh white; juicy and sweet; semi-freestone; very early and good.

MUIR—Large, pale yellow, very firm and sweet. Best for drying; freestone.

SALWAY—Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet. A standard late peach. Freestone.



MAY DUKE—Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class.

ROYAL ANN (Napoleon Bigarreau)—A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer.

PLUMS

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 feet...	\$.40	\$3.50	\$30.00
1 year, 4 to 6 feet...	.50	4.50	40.00
Selected .....	.75		

Prinlew—New Plum

(See cut on Back Cover)

A valuable new variety, produced by H. A. Lewis. A heavy and sure cropper. Plums of large size; skin yellow, overspread with bright red when fully ripe; a handsome looking plum and the rich, golden flesh is firm, but juicy; fine grained and most delicious of all, either raw or cooked. It's good as a peach. Stands handling and shipping well. Ripe in August. If you only have room for one plum, plant a Prinlew. Each \$1.00; doz. \$8.50; selected trees \$1.25.

COLUMBIA (Shipper's Pride)—Largest size, nearly globular; brownish purple; rich, sugary; freestone. August.

PEACH—Very large; skin brownish-red, slightly coarse-grained, but juicy; freestone; very popular as a home and market variety. August.

DAMSON—Small, oval; skin purple; flesh melting, rather tart. September.

MAYNARD—Very large, nearly round; crimson-purple, bears young; flesh firm, but melting, juicy and delicious. July.

SATSUMA (Blood Plum)—Japanese variety; quite popular; large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

RAISE YOUR OWN FRUIT—Every owner of a home should set out fruit trees and berries. Don't delay, start this year.

PEARS

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 feet....	\$.60	\$5.50	\$50.00
1 year, 4 to 6 feet....	.75	7.00	60.00
Selected	1.00		

Write for low prices per 1000.

BARTLETT—Large, skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence.

BEURRE BOSCH—Handsome deep yellow, slightly russet; high quality, tender, aromatic. September.

FALL BUTTER—Favorite fall pear; yellow, smooth and juicy. September.

SECKEL—Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequaled; skin brownish green, russet brown cheek; flesh whitish. September.

BEURRE CLAIRGEAU—Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy. October-November.

BEURRE D'ANJOU—A large, fine pear; buttery and melting, with sprightly, vinous flavor; tree a fine grower and good bearer; one of the very best. October.

COMICE—A splendid commercial variety, being of fine size; good appearance; ships well; fruit, faintly blushed crimson. October.

WINTER BARTLETT—Originated in Eugene, Ore. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; tender, juicy and melting and with a most pleasing flavor.



Bartlett

FLEMISH BEAUTY—Large, juicy, rich, very hardy, productive and profitable. September-October.

WINTER NELLIS—Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained and abounding with juice of a rich saccharine, aromatic flavor; especially adapted to this valley, producing large crops every year; an excellent shipper and good keeper. November-December.

PRUNES

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 feet....	\$.40	\$3.00	\$25.00
1 year, 4 to 6 feet....	.50	4.00	35.00
Selected .....	.75		

Write for our low prices per 100 or 1,000 on Italians only.

GIANT—New; of immense size; dark crimson, on yellow ground; good yielder; flesh firm, rich, sweet, delicious; good shipper.

HUNGARIAN—Very large, dark red; juicy and sweet.

PETITE (French)—Small size, egg-shaped; violet purple; sweet, rich and sugary; very productive; good for drying.

SILVER—Seedling of the Coe's Golden Drop; excellent for drying or canning. September.

SUGAR—Vigorous grower; fruit large and dries quickly; flesh tender and rich in sugar; color dark purple. August.

ITALIAN (Fallenberg)—Medium, oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. Most popular.



Italian

NOTE—ITALIAN PRUNES—WE ARE ABLE TO QUOTE MIGHTY LOW PRICES ON ITALIAN PRUNES IF YOU WANT TO BUY IN QUANTITY. A-NO. 1 STOCK, TOO.—WRITE.

APRICOTS

Unless otherwise priced	Each	Per 10	100
1 year, 4 to 5 feet....	\$.60	\$5.00	\$45.00
1 year, 3 to 4 feet....	.50	4.50	40.00
Selected .....	.75		

MOORPARK—Very large, yellowish-green; brownish red on the sunny side; flesh bright orange; fine for canning and drying; free-stone.

LEWIS—One of the largest apricots known; handsome in appearance; flavor excellent. If you have room for only one apricot tree, plant the Lewis.

ROYAL—TILTON—BLENHEIM—Rich and juicy.

CURRENTS

Low prices by the thousand.

Unless otherwise priced	Each	12	100	1,000
One year old.....	\$.25	\$2.50	\$15.00	\$100.00
Two year old.....	.40	3.40		

BLACK NAPLES—Very large, black; valuable for jains and jellies.

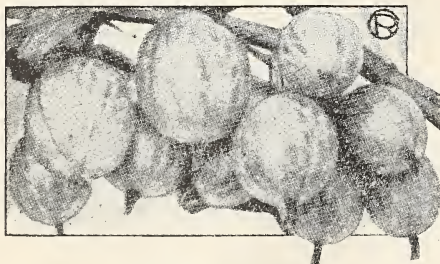
CHERRY—Large, deep red; rather acid; fine for preserving; valuable market variety.

FAY'S PROLIFIC—A new Currant, larger than the Cherry; has less acid, and is more prolific.

WHITE TRANSPARENT—Large; valuable for the table and market; the finest of the white sorts.

PERFECTION—New; a late introduction of great merit. Our grower says: "You cannot say too much about the good qualities of this grand new sort." So, whether you plant ten or a hundred, plant a good proportion of Perfection, which is the largest, most productive, finest-flavored, rich, mild, sub-acid. Fruit bright red; plenty of pulp; few seeds.

BY PARCEL POST—Gooseberries and Currants: Add 10c per bush, 60c per doz., to cover postage and careful packing.



Oregon Champion

The Garden Guide—New

Tells all about planting, pruning and the care of small fruits and vegetables. The best book of its kind we have seen. Price, paper cover, \$1.10; cloth, \$1.65, prepaid.

DEWBERRY

LUCRETIA—Fruit ripens between the raspberry and blackberry. Berries large, handsome, sweet and luscious; trailing vines. **STRONG PLANTS**, each 25c; per doz. \$2.50; 100 \$12.50; 1,000, price on request.

QUINCE

1 year old	75c each
2 year old, branched.....	\$1.00 each

CHAMPION—Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the orange, ripening two weeks later.

PINEAPPLE—The fruit in form and size resembles the Orange Quince, but is smoother and more globular. Makes a superior jelly. Can be eaten raw, and is said to cook as tender in five minutes as the best cooking apple, possessing a most exquisite and delicious flavor, not equaled by any other quince. September.



GOOSEBERRIES

Unless otherwise priced	Each	12	100	1000
1 year old	\$.25	\$2.50	\$15.00	\$100.00
Two year old..	.40	4.00	25.00	

OREGON CHAMPION—Berries large, round and pale green; fine for table use and pies; hardy, strong and a very prolific bearer; most popular and best commercial variety. Low prices by the thousand. Write.

RED JACKET (Josselyn)—Of large size, smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

BURBANK'S PHENOMENAL BERRY

A most desirable, refreshing berry for the home garden. Of a bright crimson raspberry color; very productive, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry and fine as a fresh table fruit. Prices, same as Logans, next page.

FERTILIZE the ground and **SPRAY** the fruit if you want a large, profitable, satisfactory crop. See Fertilizers, page 45; Sprays, ask for catalog.

BLACKBERRIES

Unless otherwise priced Each Doz. 100
 One year\$.20 \$2.00 \$10.00
 Extra strong25 2.50

BY PARCEL POST—Add 7c each, 50c per doz., extra to cover postage and careful packing, if wanted by mail.

LAWTON—The favorite market variety; large, good quality, uniform, hangs long on vine when ripe, productive and profitable. The most generally planted for commercial markets in the Pacific Northwest. Oregon's most popular kind.

EVERGREEN—Introduced from Oregon; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November; a fine berry for family use. Low price per 1,000.

HIMALAYA GIANT—A rampant grower of a trailing nature; a heavy cropper; the berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep-rooting qualities enable it to produce a large, firm berry even in a very dry season.

MAMMOTH BLACKBERRY

A rampant grower of trailing habit. Berries large (often 2½ inches long), sweet, juicy and delicious; seeds and core small and soft; enormously productive and early; excellent home berry; too soft to ship well. Same price as Logans.



Lawton Blackberry

Plant a Few of These Delicious, Heavy Producing, Trailing Berries
 Fertilize well and trail them on the garden fence or over a trellis.

LOGANBERRY

In great demand again for canning and drying. An exceedingly strong grower and an enormous bearer. Color dark red. Has a pleasant, vinous flavor, delicious and peculiar to this berry alone; fruit ripens early. It is excellent for the table, eaten raw or stewed, and for jelly, jam or "juices" is without an equal.

TRANSPLANTS (2 year, extra strong)—Prices, each 30c; doz. \$3.00 **POSTPAID**. Not prepaid, each 25c; doz. \$2.50; 100 \$12.50.

NOTE—Very low prices in quantity.

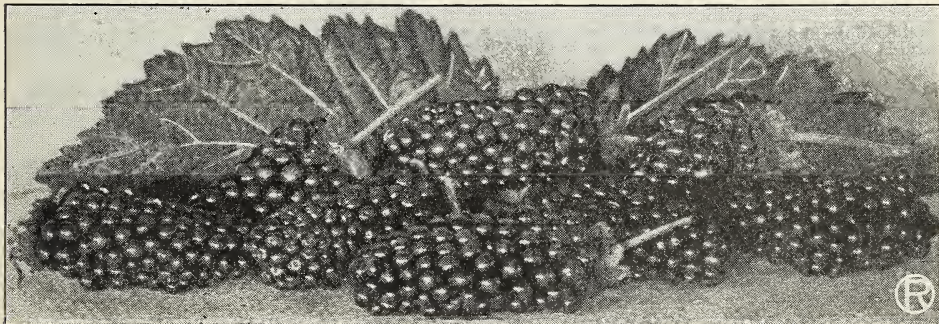
Tips or 1-year roots give poor results when shipped. We do not like to sell them. They are ready to dig after March 1. Prices on request.

THORNLESS BLACKBERRY

The thornless blackberries are of recent introduction. They have proved to be of great value—all that has been claimed for them. No thorns, thereby easier and quicker picked, more productive, more profitable; of trailing nature. Try them.

CORY THORNLESS

Claimed to out-yield and out-class any other blackberry. Berries same shape of "Mammoth," but larger and sweeter, having a flavor like the wild berry; superb for jelly, jams, wine or served fresh; small core, almost seedless, firm and will ship well. (See cut.) **STRONG PLANTS**, each 30c; doz. \$3.00; 100 \$22.50; low price per 1,000.



Cory Thornless Blackberry (illustration one-half size)—The Coming Variety

NOTE—Our 2-year-old Logan-Phenomenal and Mm. Blackberry plants are transplanted tips grown 1 year in nursery row and all will live. They are cheaper than "tips" at any price. "Tips" will not ship safely.

RASPBERRIES

La France — New

A Giant Everbearing Variety

Big, rich, sweet, juicy berries, from July until frost. The mid-season and late berries are large, produced in profusion and hold up in size and quality. The late crop brings higher prices than the early on account of the scarcity of stock in the market.

This grand berry has excited great enthusiasm in sections of the East where it has been tried out during the past three years, and we are now offering it, feeling satisfied that it will meet with your approval.

The fruit is borne on new wood, and literally covers about three feet of each new cane. The berries are of immense size (twice the size of most), very meaty, have few seed cells, are deliciously rich and sweet, firm and a good shipper. Plants very hardy, strong growers and free from disease. Stock limited this season. Order early.

STRONG PLANTS—Each \$1.00; 3 for \$2.50; doz. \$8.00. **NOTE.**—We offer the genuine "La France" from the introducer. Beware of untrue stock.

Standard Red Varieties

	Each	12	100
One year	\$.15	\$1.00	\$4.00
Extra strong .....	.20	1.50	5.00

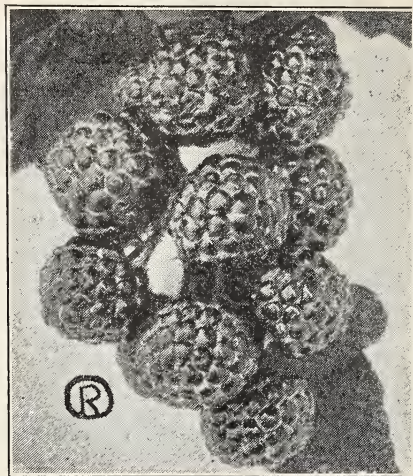
BY PARCEL POST—Add 5c each, 35c a

CUTHBERT—Berries very large, deep rich crimson; good for shipping; the most popular of all commercial sorts of raspberries; stands the sun and heat well; flavor rich, sweet and delicious; mid-season. Very low prices per 1,000. Write.

ST. REGIS—Medium size and said to be a continuous bearer. Early and late.

MARLBORO—Very large and earlier than Cuthbert; beautiful, bright scarlet; good quality; hardy and productive.

GOLDEN QUEEN—A handsome yellow fruited raspberry; excellent quality.



Blackcap Raspberries

	Each	12	100
Two year	\$.20	\$2.00	\$10.00

Low prices per 1,000. Tips in the spring very cheap.

doz., extra to cover packing and postage.

PLUM FARMER—Excellent, very productive; early; the berries are thick-meated, large, fine flavor and very attractive.

GREGG—A standard and well-known market sort; very productive, large size, firm, meaty berries, covered with heavy bloom.

KANSAS—Strong, vigorous grower, early and productive. Berries of good size and color; firm and of best quality.

CUMBERLAND—Very large; mid-season.

GRAPES

	Each	12	100
One year old	\$.25	\$2.50	\$15.00
Two year old .....	.40	4.00	

CAMPBELL'S EARLY—Clusters large; berries large, round, black, with purplish bloom; flesh firm, but tender; flavor rich, sweet and slightly vinous. Early.

CONCORD—Large, round, black grape; bunches compact, quality only fair, but it is well known and very popular.

DELAWARE—Best of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red; sweet.

OTHER GRAPES—We list most popular hardy sorts for general use, but can supply Isabella, Catawba, Flaming Tokay, Muscat, Black Hamburg and others at prices above.

EATON—A strong, sturdy grower; fruit is large and handsome, firm and of the highest quality; deep rich red when fully ripe, of sprightly, exquisite flavor.

NIAGARA—Berry large, pale greenish yellow; flesh tender and sweet; productive; the standard white grape in most sections.

WORDEN—Bunch very large and compact; berry large, black; an improved Concord; earlier and excellent home variety.

Two Up-to-Date Books of Great Value

HOME FRUIT GROWER

By M. G. Kains. A simple and practical volume for the amateur, who seeks to grow high quality fruits for home needs. Nicely illustrated. 213 pages. Prices: Paper covered, \$1.10; cloth, \$1.65.

COMMERCIAL PLANT PROPAGATION

A new and up-to-date book so fully illustrated and plainly written that the professional as well as the amateur will find it of great value. Cloth, 180 pages, \$1.90, postpaid.

Why Not Raise Some Asparagus and Rhubarb?

Every garden, large or small, should have at least a small supply. If you want special information on culture of these roots, we have **ASPARAGUS CULTURE**, by Hexamer, 174 pages, \$1.25, and **NEW RHUBARB CULTURE**, by Morse and Fiske, 130 pages, \$1.25.

ASPARAGUS ROOTS

Buy Roots and Save 2 to 3 Years

One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured. Set plants 18 inches apart, in rows 3 feet apart.

ONE YEAR OLD—Prepaid, doz. 35c; 50 75c; 100 \$1.25. Not prepaid, doz. 30c; 100 \$1.00; 1,000 \$8.00.

TWO YEAR OLD—Prepaid, doz. 75c; 50 \$1.50; 100 \$2.50. Not prepaid, doz. 50c; 100 \$2.00; 1,000 \$12.00.

THREE YEAR OLD, SELECT—Grown especially for our private trade; large and strong for quick crop. Prepaid, doz. \$1.00; 50 \$2.50; 100 \$3.50. Not prepaid, doz. 85c; 50 \$2.00; 100 \$3.00.

HOP ROOTS

Oregon's Famous English Cluster Hops.

Regular Root Cuttings, 10c each. 3 for 25c; \$1.00 doz., postpaid. Low prices by the 1,000. Crown Roots give quicker results; each 15c; 2 for 25c; doz. \$1.25, postpaid.

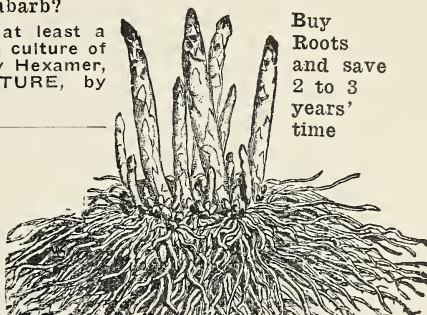
HORSE-RADISH ROOTS

Plant in the spring 18 by 24 inches apart. Set the whole root small end down.

Prices: 2 for 15c; 50c per doz.; \$2.50 per 100. Low prices by the 1,000.



Rhubarb—If wanted in larger quantities, write for special price.



Buy
Roots
and save
2 to 3
years'
time

RHUBARB

PIE PLANT—WINE PLANT

Plant in the fall or early spring from 3 to 4 feet apart, in the richest soil you have, or can prepare. New book: "Rhubarb Culture," a complete guide to dark forcing and field culture (well illustrated), 130 pages, \$1.25.

Banwine Rhubarb—A Moneymaker

This comparatively new and very profitable rhubarb is claimed by our grower to be superior to all ordinary varieties and unequalled by any known marketable sort. The trueness of the strain is unquestionable, as it is only propagated from root diversions or growing buds from stock that shows the superior merits of the parent stock.

Banwine is a quick, very early grower, producing very freely giant, heavy stalks, that are exceedingly tender, brittle and of the finest flavor and color. A "peerless" rhubarb for home gardens or for commercial plantings.

We supply divided roots, the only safe way. Seedlings do not come true.

SINGLE EYE—Postpaid, each 20c; doz. \$2.00. Not postpaid, each 15c; doz. \$1.50; 100 \$10.00.

DOUBLE EYE—Postpaid, each 25c; doz. \$2.25. Not postpaid, each 20c; doz. \$2.00; 100 \$15.00.

Transplants—Grown one year from single-eye large, vigorous, healthy roots, each 35c; doz. \$3.00, not prepaid.

FOUR EYE—Makes a big root in 1 year; each 50c; doz. \$5.00, not prepaid.

RIVERSIDE GIANT—Same prices as above.

Victoria Mammoth

A standard and popular variety, large and of excellent quality. We offer a select strain. Beware of seedlings.

One Year—Each 12½c; doz. \$1.25, postpaid. Not prepaid, each 10c; doz. \$1.00; 100 \$7.50.

Two Year—Each 15c; doz. \$1.50, postpaid. Not prepaid, each 12½c; doz. \$1.25; 100 \$10.00.

Large Clumps (4 buds up), **NOT PREPAID**, 50c, 75c and \$1.00 each.

COW MANURE—It is troublesome, disagreeable and expensive for the city gardener to get it. We offer "C-M," THE REAL PRODUCT, in most convenient form, free from weeds. YOU NEED THIS AND ALSO "WONDER," page 45, FOR YOUR ASPARAGUS AND RHUBARB.

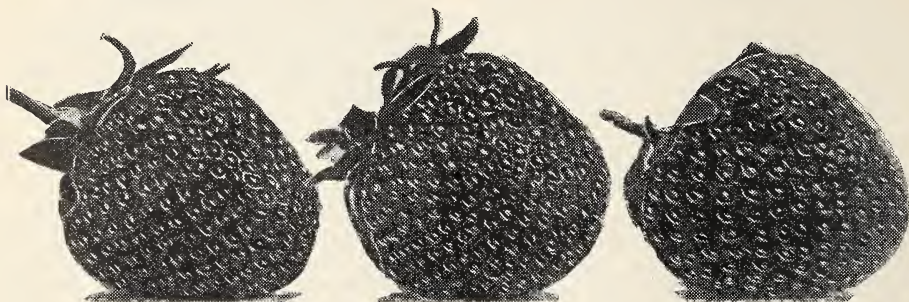
SELECTED
STRAINS

STRAWBERRY PLANTS

NONE
BETTER

Our strawberries are carefully grown, trimmed and packed in the best manner to insure their arrival in good, fresh condition. If you want good, strong, healthy, vigorous plants, and true to name, send to us. Our prices are right; our plants are O. K.

Don't use plants from old berry fields. Buy our healthy, vigorous, properly grown plants. The most profitable kind.



"Wellington Marvel," a New Strawberry of Great Merit

WELLINGTON MARVEL

This new variety was originated by Wellington S. Butler, of Merlin, Ore., a strawberry specialist. We have had the exclusive sale and pleasure of introducing this really superb and meritorious variety. In all our experience and observation, we have never seen the equal of the "Marvel" in color, shape, flavor and good qualities. The ripe berries command instant attention on account of the bright, fresh, delightful appearance and fragrance.

The plant has a multiple crown system, which, under restriction, stools up to mammoth proportions and circles itself with a massive wreath of large, crimson berries, sparkling like rubies in the sunlight.

Wellington's Marvel is almost frost-proof. Frosts that have ruined other varieties have not harmed the Marvel. The foliage is heavy

and spreading, and each fruit-stalk of blossoms or fruit seems to be perfectly covered and protected. Fruiting season is very early, long and marvelously productive.

The ruddy glow of the Marvel spreads evenly and leaves no white tips. It's unequaled for table and excellent for canning. Heat does not impair its quality, but intensifies the color to deep red. The flavor of the Marvel is distinct and, when once tasted, strawberry lovers will pay a premium for it. For private trade it is a wonder, as the flavor when fully ripe is incomparably delicious and sweet. For fruit juices, light wine or preserves the Marvel will demand the "top" prices.

Prices, postpaid, doz. 60c; 100 \$3.00. NOT PREPAID, per 100 \$2.50; 500 \$12.00; 1,000 \$20.00.

STANDARD AND POPULAR WESTERN VARIETIES

PRICE LIST—Your choice of the following varieties, PREPAID, doz. 30c; 50 plants, 85c; 100, \$1.50. NOT PREPAID, doz. 25c; 50 plants, 65c; 100, \$1.00; 1,000, \$6.50. Ask for special prices in 3, 5, 10 or 25 thousand lots.

OREGON IMPROVED—One of the finest and most satisfactory strawberries ever introduced. It always looks bright, fresh and attractive. The berry is very large, firm and handsome; rich, dark red, extending to the center. The flavor is rich, sweet and delicious. For table use and canning it cannot be surpassed. The "Oregon" ripens early and continues in bearing until late in the season.

MARSHALL—One of our best Western varieties and very popular wherever known. Marshall is one of the blood-red varieties that never fails to attract the eye and to satisfy the taste. It is deliciously sweet, generously prolific, and is in every way an ideal variety for extensive planting or home garden. Excellent for canning, as it holds its color, shape and flavor.

MAGOON—Berry large, fine and excellent; sub-acid flavor; bears heavily and throughout the season.

GOLD DOLLAR—One of the earliest berries on the market. Fruit good, medium size, and attractive; rather tart; fine flavor; foliage heavy, large and spreading, which protects the blooms from early frosts.

CLARK'S SEEDLING—The berry that has made Hood River famous; excellent shipper; berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to the Pacific Coast.

ETTERSBERG—A new late variety. A great favorite in some sections among shippers and canners. We can supply most any quantity this season.

WILSON—A heavy bearer of fine, moderate-sized berries; sharp acid flavor. Many prefer this sort for canning.

THE NEW EVERBEARING STRAWBERRIES

This "new class" of strawberries is becoming more popular each year. Their long fruiting season and the grower's ability to secure berries when the market is high is their real value. Left alone they will flower and fruit the whole season, but to secure a large crop in the late fall keep the blooms off until the last of June. If cultivated, watered and the runners kept off, new plants will produce berries abundantly three months after planting and continue until fall, and the following season give a wonderful crop. Read "Hints on Planting and Care" of everbearers.

PROGRESSIVE EVERBEARING

Progressive is a strong, upright grower, deep rooter and great drought resister. Berries are medium large, rather dark-red in color and of excellent quality. Ripens early and continuously; the fall crop is always profitable. Extremely hardy, bearing until the ground freezes. A valuable market variety, probably the most popular in the class.

Your choice of above, doz. 60c; 25 plants \$1.00; 100, \$3.00, prepaid. Not prepaid, \$2.50 per 100; \$20.00 per 1,000. Write for special prices in quantity.

NEW GIANT 999

Description—The originator of this superb new everbearer writes us as follows:

"After ten years of breeding of the new race of Everbearing Strawberries, we have succeeded in originating a new variety that is far ahead of the older sorts in every way.

"The Giant No. 999 plants are strong and sturdy and with the peculiar bluish-green cast to the leaves that makes them the most heat and drought resistant of any strawberry we have ever grown. The root system is immense, going down into the ground to a depth of 12 to 15 inches, thus getting them down into the moist subsoil, enabling the plants to go right on bearing big crops of berries during the hot, dry summer months. The berries are extra large in size. They have a flavor and a fragrance that is different from any other berry."

He claims this berry is as big a success in the West as it is in the East, where it was originated. One of our most successful Oregon strawberry growers has given it a thorough test and claims it is a wonder. He intends to discontinue the growing of other Everbearers, as the Giant No. 999 is so much better. It's a heavy bearer, a good canning berry and makes delicious jelly and jam, and it holds its bright, clear, red color.

It certainly is a great producer and we advise you to give it a trial.

Prices, postpaid: 4 for 50c; doz. \$1.50; 25 for \$2.00; 100 for \$7.50.

SUPERB EVERBEARING

Superb grows low and spreading. The berries are produced beneath the foliage, which protects them from frost and bad weather conditions. Some claim Superb is not so productive as Progressive, but its berries are larger, brighter red in color and of more delicious flavor. Good keepers and shippers, and demand the "top" or fancy prices.

Hints on Planting and Care of Everbearing Strawberries

There is no mystery about these new everbearing plants and it is just as natural for them to grow and fruit all summer and fall as it is for the common varieties not to do so. The plants are set and cared for the same as the ordinary spring varieties. For the largest yield of big berries we like the Hill system the better and especially so where grounds are limited in size. For instance, a rod square bed with plants set 18 inches apart in row and with rows 20 inches apart will take just 110 plants. Pick off all blossom stems as they appear for the first four weeks and also cut off all runner leads as they appear. This causes the mother plant to throw up new crowns, which means more fruit stems and more and more berries.

A good way is to set a new bed about every two years or so, depending on conditions. By setting a new bed each spring, you are sure of having an abundance of fine, big berries.

In order to get a continuous and large crop of large berries all summer long and a big crop in the fall, everbearing plants need water and plenty of it. A thorough sprinkling or irrigation once a week is better than a light watering every day.

A mulch of clean straw, grass or hay between the rows or around the plants during the fruiting season will keep the berries clean and free of dirt and help greatly to preserve the moisture in the ground. Don't forget this.



Three Fruit Stems of NEW GIANT NO. 999, showing blooms, green and ripe berries
An everbearing of sterling merit

Miscellaneous Supplies and Tools You Need

Remember to add postage if wanted by mail

PLANT AND ROSE STAKES

Prices Not Prepaid

CEDAR—Round; painted green, white top; last and look well. Per doz. 3 ft. \$1.00; 3½ ft. \$1.25; 4 ft. \$1.50; 5 ft. \$2.00; 6 ft. \$2.75; 8 ft. \$4.00.

BAMBOO—Inexpensive and very desirable for pole beans, etc., or flowering plants or shrubs.

Prices per dozen: 2 ft. 25c; 3 ft. 30c; 4 ft. 40c; 5 ft. 50c; 6 ft. 60c; 25 per cent less for pencil size green. Write for low price by 100 or 1,000.

Note.—State for what purpose you want them, as we have them stained green, pencil thickness, and natural color, ⅜ to ¾ inch thick.

WOODEN LABELS

The tree and pot labels we offer below are strictly No. 1 labels, smooth and well made. The painted labels are "really painted," not dipped in oil. Ordinary lead pencil writing on the painted labels is always readable; it will not wash off.

Tree Labels

P. P.	Wgt.	4 lbs.	25	100	M
Painted, copper wired	\$0.25	\$0.60	\$3.50	
Unpainted, copper wired20	.50	3.00	
Unpainted, iron wired20	.40	2.50	

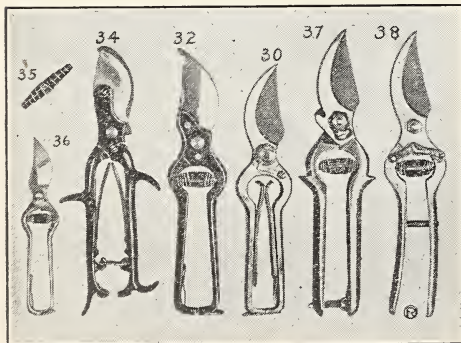
Pot Labels

	Wgt. per M.	25	100	M
Painted, 4 in. (P. P. 3½ lbs.)	\$0.20	\$0.50	\$2.75	
Painted, 5 in. (P. P. 4¼ lbs.)	.25	.60	3.25	
Painted, 6 in. (P. P. 5 lbs.)	.30	.70	4.00	

Garden Labels

Same style as above, but thicker and wider.

	Wgt. per M.	25	100	M
Painted, 8 in. (P. P. 15 lbs.)	\$0.50	\$1.75	\$12.00	
Painted, 9 in. (P. P. 17 lbs.)	.65	2.00	14.00	
Painted, 10 in. (P. P. 20 lbs.)	.75	2.25	16.00	



TREE PRUNERS

Long handle tree pruners indispensable for pruning tall trees.

Reliable make, with spring; 6 feet, \$1.75; 8 feet, \$2.00; 10 feet, \$2.25; 12 feet, \$2.50. Cannot go by mail. Extra blades 60c each, postpaid.

We give the R. P. (Parcel Post) weight so you can add postage if wanted by mail. Don't forget to send it extra.

POTS AND SAUCERS



No. 1 No. 2 No. 3 No. 4
Fig. 1—Fern Dish Filler; 2—Bulb Pan; 3—Azalia or Fern Pot; 4—Standard Flower Pot. All styles same prices.

Size	Each	Doz.	Saucers Each
2 inches	.....\$0.03	\$0.25	
2½ inches	......04	.30	
3 inches	......04	.35	
3½ inches	......05	.40	
4 inches	......06	.50	\$0.05
5 inches	......10	.85	
6 inches	......15	1.25	.07
7 inches	......20	1.80	
8 inches	......30	3.00	.10
9 inches	......50	5.00	.15
10 inches	......70	7.00	.20
12 inches	.....1.20	12.00	.30
15 inches	.....2.00	20.00	.50

Prices by express or freight. Not mailable.

JARDINIERES, ETC.

We carry in stock a large and complete assortment of the best styles and latest designs. Limited catalog space will not permit us to illustrate and describe them.

RAFFIA

Natural color, highest quality. Very scarce. Price per lb. 40c; 5 lbs. \$3.00; 10 lbs. \$2.50; postage extra. Write for quantity price.

OREGON GREEN MOSS

For hanging baskets, etc. 3 lbs. 25c; 2-bushel sack, \$1.50; per bale. \$4.00. Spagnum moss for packing, \$4.00 per bale.

GARDEN TROWELS

Good, reliable, cheap trowels, 25c to 50c; extra strong and best made, 60c to \$1.00. Mailing and postage 10c extra.

HIGH-GRADE PRUNING SHEARS

All prices postpaid

No. 36. Nickel plated 6-inch, fine for cutting roses and light work, \$2.25.

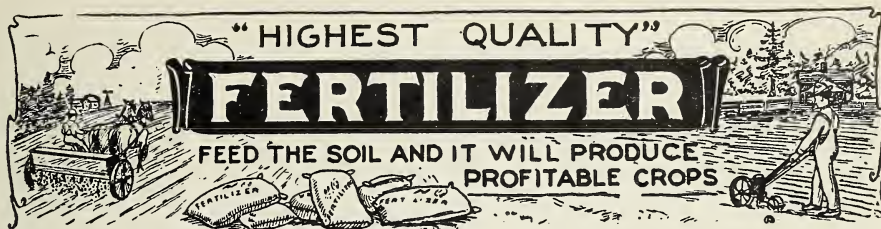
No. 34. Same as illustration, except spiral spring; good, cheap shears. \$1.25.

No. 32. Strong, durable, black handle, polished blade; 8½ inches. Price \$1.50.

No. 32½. Nice finish, half polish, good blade; handles nicely; same style as No. 32; 9 inch. \$1.75.

No. 33. Same style as No. 32, full polish; very strong and serviceable 9 inch. Each, \$2.50.

No. 30. Full polish, double brass springs, lock nut, one extra blade; steel band lock, Swiss style, 8 inch, \$3.50; No. 30, 9 inch, \$3.75. Nos. 37 and 38 not obtainable now.



WONDER (odorless) FERTILIZER

The best fertilizer for the city gardener; clean and odorless. Remember, it's all fertilizer; a wonder in action, a giant in strength, and the smallest amount necessary to use makes it the cheapest and most efficient high-grade fertilizer on the market; and last, but not least, it is **odorless**.

In "WONDER" we have a meritorious and odorless concentrated fertilizer, put up in small packages, thereby making its distribution a cheap and easy matter. Being a concentrated fertilizer, only a very small amount is required to produce the largest yield—a spoonful to a plant, a handful to a hill of potatoes, etc.

Remember, a 25-lb. bag of "WONDER" is equal, in plant food, to 100 lbs. of most any other commercial fertilizer on the market. Rich in potash.

FOR FERNS, PALMS AND HOUSE PLANTS, VEGETABLE AND FLOWER BEDS, LAWNS, FRUIT AND BERRY BUSHES, SHRUBS AND ROSES. DESCRIPTIVE LEAFLET ON REQUEST.

The "WONDER" fertilizer is sold only in 25-lb. white, clean, canvas bags, 2-lb. odorless cartons and 125-lb. sacks.

PRICES: 2-lb. cans (not postpaid), 35c (P. P. wgt. 2½ lbs.); 25-lb. drill bag, \$2.50; 3 bags, \$7.00; large 125-lb. sack, \$10.50. Full directions with each lot.

BY MAIL—If wanted by parcel post, add postage. "Wonder" is odorless and 25-lb. bags will go by mail cheaper than express or freight in most cases.

NOTE—Three sacks "C.-M." and 1 25-lb. sack "Wonder" mixed together will make a very rich combination fertilizer, that will prove highly satisfactory for all uses, as it would be very rich in plant food and supply the necessary humus for heavy soils.

SUPERPHOSPHATE

This is what is known as acid phosphate, being phosphate rock that has been treated or processed, to make the phosphoric acid available. Has become very popular among grain and fruit growers. Use at the rate of 300 lbs. and up per acre.

Prices: 100-lb. sack \$2.25; 5 to 20-sack lots at \$2.00.

LAND PLASTER

Prices: 100 lbs. 25c; 50 lbs. 75c; 100 lbs. \$1.25; 500 lbs. \$5.00. Low ton price. Write.

BONE MEAL FERTILIZER

This is finely ground and of best quality. Used for lawns, roses, shrubs and trees. Not very quick in action and should be applied in the fall or very early spring. Use 1,000 to 2,000 lbs. per acre.

Prices: 5 lbs. 30c; 10 lbs. 50c; 100 lbs. sack \$3.25; 5 to 20 sacks at \$3.00.

Ton Prices—Write for prices when ready to buy.

COW MANURE

Kiln-Dried Pulverized

For short we call it "C.-M."

This product is one of the best and most satisfactory fertilizers on the market. Since we introduced it three years ago, thousands of our customers use nothing else.

It is cheaper, cleaner and better than the fresh stable manure. It supplies all the humus and fertilizing value of the old form without the disagreeable odor, coarse straw, chaff and live weed seeds. In fact, you get everything in an ideal form.

FOR ROSE OR FLOWER BEDS, BULBS, PLANTS AND SHRUBS, VEGETABLES, SEED BEDS, PORCH BOXES OR POTTING SOIL. USED IN LARGE QUANTITIES BY OUR BEST LAWN MAKERS AND BERRY GROWERS.

"C.-M." is cheaper and more convenient. The old form cow manure costs about \$3.50 a load delivered and about \$3.00 or more to get it placed and spaded under. Three sacks of our Dry-Kiln C.-M., which is practically odorless and can be spread around by anyone at leisure, will cost less and give better results.

Descriptive pamphlet on request. Full directions with each sack.

Prices: 2 lbs. 15c; 5 lbs. 25c; 10 lbs. 40c; 30 lbs. \$1.00; large sack (2 bu., 70 lbs.) \$2.00; 3 sacks \$5.50; 5 sacks \$9.00; 10 sacks \$17.50. Wire for quantity prices.

With our new fertilizer, Dry-Kiln "C.-M." to supply humus, and "Wonder," the strongest and richest odorless chemical fertilizer, and "Ground Lime," the great soil conditioner, we have a combination that will supply every need.

GROUND LIME ROCK

Lime is an indirect soil improver and a very valuable conditioner, and releases the plant foods. Use ½ to 1 ton per acre. For heavy clay soil in the garden, double the amount.

Prices: 100-lb. sacks, \$1.25; 500 lbs. \$5.00.

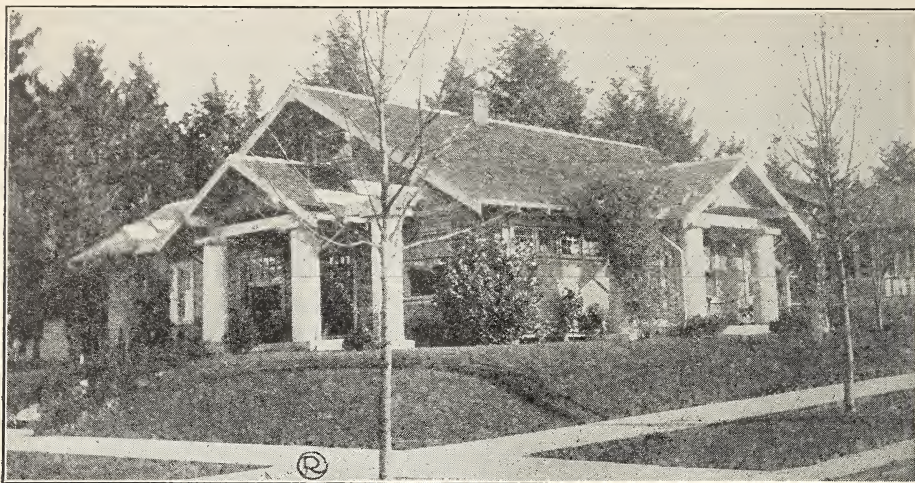
GARDEN LIME

(Fertilizer Lime)—This is put through a process that makes it finer and lighter than above. Quicker in action, richer in calcium, and well worth the higher price. Excellent for moss in lawns and general garden and farm lands.

Prices: 5 lbs. 25c; 10 lbs. 40c; 50 lbs. \$1.00; 100 lbs. \$1.75; 500 lbs. \$7.50.

SHEEP GUANO

Prices: 100 lbs. \$2.25; 500 lbs. \$10.00.



One of our Portland Bungalows with a beautiful lawn, shrubs and vines

Nothing adds a greater air of refinement to a home than a beautiful, well-kept lawn. The time, labor and money spent is a good investment, to say nothing of the pleasure it gives the owner, as well as those who pass by. The planting of a few shrubs, vines and roses should not be forgotten. The pretty home above is "well done," attractive and inviting, and the owner has just cause to be proud of it.

LAWN GRASS SEED

Though we offer, separately, seed of many of the grasses suitable for the lawn, we consider as very erroneous the somewhat prevalent idea that any single variety of grass seed is preferable or equal to a mixture.

R. R.'s EVERGREEN LAWN GRASS

To obtain a good Lawn Grass Mixture, it is necessary that the best possible seed of fine grasses be used in the combination, embracing such varieties as are of neat, close growth, extreme hardiness, and adapted to produce a quick, permanent sod. Judicious selection of seed, knowledge of the habits, vigor, quality and hardiness of varieties used in the mixture can only be gained by thorough and practical tests under different climatic and soil conditions. After many years' experience, we offer our pure, clean Evergreen Lawn Grass Seed Mixture, composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooting grasses of interweaving habit, that will flourish under varied soil and climatic conditions, and which may be depended upon to produce a beautiful, compact, evergreen sod that will resist tramping and hard usage, and at the same time present that handsome, velvety appearance so much desired.

PRICE, 55c per lb., postpaid; 10 lbs. or more, NOT PREPAID, at 50c per lb.

Note.—You better spend a few cents or a dollar extra on the seed you buy and have a fine lawn that you'll be proud of. Sow 1 pound seed to 15 feet square for best results.

WHITE CLOVER.—Many gardeners like white clover mixed in lawn seeds and it is excellent, especially if your soil is heavy or poor. White clover grows quickly and acts as a nurse crop and protects the fine leaved grasses. Evergreen Lawn Grass with one-fourth white clover is 60c per pound, postpaid.

Seeds for Lawns and Special Mixtures

SEED.—There is as much difference between clean, high-grade grass and clover seeds for lawn making and the common or ordinary grass seeds as there is between high-grade white flour and bran. You would not think of trying to make light, white bread of bran, neither should you expect to make a fine, green, velvety lawn from low grade, light weight, immature and foul grass seeds. Weight, purity and germination is what sets the price of grass and clover seeds. We buy and use the highest grade, pure tested seeds for our Evergreen Lawn Grass Mixture. Of course, they cost more, but we know from experience that they give best results and are the only kind of seeds that it pays to use if you want a beautiful lawn. Do not buy low priced Lawn Grass Mixtures and expect good results. NO ONE gives you anything better than you pay for.

SPECIAL MIXTURES.—For all round general conditions, our Evergreen Mixture is unexcelled, but we will prepare special mixtures for shady places, low, wet soils, very dry soils and terraces. Just mention it when ordering.

FEED THE LAWN

Do not starve the grass if you want it to look green and velvety; use "Wonder" and "C-M," as per directions.



**“The Feed
That Proves
You Fed”**



"The Feed That Proves You Fed"

Routledge H. Q. Poultry Feed

"H. Q." DENOTING HIGHEST QUALITY



It has always been our aim to supply the poultry-keeper the best feeds and supplies obtainable and now we offer you a line of Poultry Feeds that our years' of experience lead us to believe will please the most critical and prove the most economical and profitable to use.

We have planned a long time to offer Poultry Feeds under our own brand and formulas, but before doing so, had to prove it correct—prove that it would give better results at a less cost than others now on the market. We figure if one can't go a little further and do a little better than the other fellow, he can't expect big results. Give our Feed a fair trial and we are confident you will then agree that we have gone a long way in helping you to success.

ROUTLEDGE H. Q. SCRATCH FEED is different, it's better, for it is not mixed up with a lot of "filler" such as Kaffir, Milo-Maise, Egyptian and cheap grains that are of little food value and grains that the poultry will not eat unless forced to by hunger or lack of sufficient nourishing foods.

"H. Q." stands for **Highest Quality**—that means clean, pure, sweet grains, not mouldy, smutty or diseased.

Here's a Tip: If in doubt about grain feed, put a few handfuls of it in a can or pail, pour boiling water on it—enough to cover and put the lid on tightly. Let it stand a few minutes. Remove the lid and smell the odor that it expels. If the grain is or has been mouldy, you can readily detect it. Mouldy grain is very detrimental to fowls and should never be fed. We invite this test regularly on "Routledge's H. Q. Feeds." We guarantee its quality.

Routledge Mash Feeds—Thousands of chickens, both old and young, die yearly as a direct result of mash feeds. We are certain we have overcome many bad effects of mash feeds by grinding ours to the proper coarseness and using only such grains as contain the vitamins of life. We do not use cheap flour as a part of our mash feeds. We consider it very poor feed and detrimental to the fowl, especially the young growing chicks. We believe many hens go down with paralysis yearly from eating finely ground mill feeds and white flour, but on the other hand, the feed must not be too coarse, or be made of grains containing so much fiber that it taxes the vitality of the hen or chick to digest it. Our advice is to buy only Routledge's "Highest Quality" Poultry Feeds—"THE FEED THAT PROVES YOU FED." Match our feed against any as follows, quality first, price second, results third. Then add real service in information on troubles and care of poultry and the value of stock saved and money made thereby, and if you can beat us, you are "going some."

We believe and have proven to our satisfaction that we have a feed that will help, if not wholly overcome a long felt want by the poultry producer to have a feed honestly made with something more than the margin of profit behind it as an incentive to sell it.

When ready to buy again ask for latest prices on Routledge's H. Q. Poultry Feeds.

"CACKLE AND EGGS"

GEORGE SAYS: "When all is said, the big question that is the **deciding factor**, for or against it, is the one 'What feed will produce the most eggs without being injurious to the hens?' This opens up another line of thought which is far-reaching, but must be met before anyone can be a big success in the poultry business.

Not only feed alone, or its quality can solve the problem of egg production, but the way and the amount of it that is fed is a large factor, also the method of housing the hens, as well as the housing and method of brooding the hens when they were chicks, enter into the success or failure as much or more than the feed, for no improperly fed or brooded chick can develop into a high-class laying hen, and regardless of the feed or feeding methods she cannot be changed a great deal after full development has been attained, but by intelligent feeding of certain kinds of feed and knowing your hens, it is possible to get the highest amount of production without breaking down your hens, hence our effort for many years past has been to find the true conditions the poultry-keeper is confronted by and work out the remedy. On these very important subjects is where George can be of great service to you.

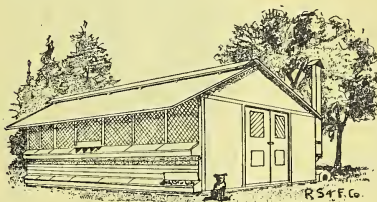
POULTRY HOUSE PLANS

By

Geo. L. Routledge, Poultryairian

We have made large blue print plans for a modern chicken house embodying all the latest improved ideas in the construction to keep the fowls healthy by proper ventilation without drafts. Our aim has been to save labor in the building of the house and to make it easy to keep clean and free from vermine, as well as a labor saver in caring for the fowls.

In building a successful poultry house it is not how cheap but how good it can be made at a nominal cost, and we believe this is it.



Routledge Model Poultry House

The ventilation at the top of the house gives a sure circulation of air without curtains to bother with and the straw loft overhead helps to eliminate dampness of floors and litter and keeps the house cool in summer and warmer in winter.

Blue prints with detail drawings of feeders, water troughs, etc., also bill of lumber needed, all figured out ready for anyone to build.

PRICE, 50 Cents

POULTRY SUPPLIES — QUEEN INCUBATORS

We also carry in stock a real dependable line of Poultry Supplies, Incubators, that hatch real chicks with "pep," "Brooders that will "with reasonable attention" raise "better chicks," Tonics that will help keep any flock in better condition, barring none, if used according to directions, Lice Powder and Lice Paste to use on the fowls, Mite Liquid to use on the perches, nest boxes, etc.—it's colorless and lasting. Remember our stock is all guaranteed satisfactory or money back. We are second to none in progression.

Routledge Seed & Floral Co.

145 2nd. ST, PORTLAND, OREGON

“The Feed That Proves You Fed”

**Routledge
Seed
and
Floral
Co.**
145-2nd St.
PORTLAND

WHEN YOU WANT

Seeds of any kind, Fertilizers, Spray or Spray Pumps, Fruit, Shade or Ornamental Trees, Shrubs and Vines, Roses, Bulbs, Ferns, Garden Tools and Supplies, Birds, Cages, etc., Puppies and Pet Stock, Feeds, Remedies and Supplies; Incubators, Brooders, Poultry Supplies, Feeds or Remedies. Let us Supply You.

Catalogs on Request

Our Motto: “Highest Quality—Efficient Service”

THIS LETTER IS FROM

Name.....

P. O.

Street.....

State.....R. R. No.

Please write your name and address on above lines

ROUTLEDGE SEED & FLORAL Co.

PORTLAND,

**NO. 145 AND 147 SECOND ST.
BETWEEN MORRISON AND ALDER**

ORE.

"HIGHEST QUALITY" SEEDS

**TREES
ROSES
PLANTS**

**TOOLS
GARDEN
SUPPLIES**

**FERTILIZERS
BIRDS, POULTRY SUPPLIES
SPRAYS AND SPRAY PUMPS**

PREPARED BULB FIBER

The Ideal Material in which to grow flowering bulbs either indoors or in window and porch boxes outside.

Prepared Bulb Fiber is composed of leaf-mold, prepared top soil, charcoal, oyster shells, etc., that has been properly prepared and mixed with the right proportion of plant food—natural ground fertilizer.

It is perfectly odorless, light, clean, nice to handle and will not sour in open glazed dishes. No drainage is required, therefore it can be used in fancy china dishes, glazed jardiniere, bowls, etc., with the best results. Keep the Bulb Fiber well moistened, but not saturated. We have had so many calls for this that we have prepared a few tons for this season.

Try our prepared Bulb Fiber this year. Results will please you.

PRICE (postage or delivery extra): 1 lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.00; 100 lbs. \$2.50.

NUMBER OF TREES OR PLANTS ON AN ACRE

1 by 2 feet.....	21,784	3 by 5 feet.....	2,904	12 by 12 feet.....	302
1 by 3 feet.....	14,520	3 by 6 feet.....	2,420	15 by 15 feet.....	194
1 by 4 feet.....	10,890	4 by 4 feet.....	2,723	16 by 16 feet.....	170
1½ by 2 feet.....	14,520	4 by 6 feet.....	1,815	18 by 18 feet.....	135
1½ by 3 feet.....	9,682	6 by 8 feet.....	907	20 by 20 feet.....	110
2 by 3 feet.....	7,261	6 by 6 feet.....	1,210	25 by 25 feet.....	70
2 by 4 feet.....	5,446	8 by 8 feet.....	630	30 by 30 feet.....	45
3 by 4 feet.....	3,630	10 by 10 feet.....	430	40 by 40 feet.....	28

RULE.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet, for each plant or hill, which, divided into the number of square feet in an acre (43,569), will give the number of plants to the acre.

INDEX TO CONTENTS

Page	Page	Page	Page
Acer (see Maples).....32	Daffodils (see Narcissus) 10-11-12	Jardinieres 44	Quince .....29- 38
Acuba 31	Daisy, Shasta 27	Jonquils 12	
Almond 32	Delphinium 26	Juniper 31	Raffia 44
Alyssum 25	Deutzia 28	Kentia Palm 19	Raspberries 40
Ampelopsis 34	Dewberry 38	Knives 44	Rhododendron 31
Anemone 25	Dianthus 25	Labels 44	Rhubarb 41
Asparagus .....13- 41	Dicentra 26	Laurel 31	Roses .....20 to 24
Apples 35	Day Lily (see Hemerocallis) .. 26	Laurustinus 31	Rose Stakes 44
Apricots 38	Digitalis 26	Lawn Grass 46	Rubber Plant 19
Aquilegia 25	Doronicum 25	Lilac 29	Rudbeckia 27
Arabis 25	Dracaena 19	Lilies .....14- 15	
Arbor Vitae 31	Elm 32	Lily of the Valley. 15	Scotch Broom (see Genista) 28
Asters 25	Enonymous .....31- 34	Linden 32	Shasta Daisy 27
Aspidistra 19	Ferns, etc. 18	Loganberries 39	Shade Trees 38
Azalea .....28- 31	Fertilizers 45	Mahonia 31	Strawberries .....42- 43
	Filberts 32	Maples 32	Snowball 30
Barberry 28	Flower Pots, etc. 44	Mountain Ash 32	Spirea 30
Begonia 19	Forget-Me-Not 26	Moss 44	Spruce 31
Bellis 25	Foxglove 26	Narcissus .....10-11- 12	Sweet Peas 17
Birch 32	Freesia 13	Negundo (see Maples) 32	Syringa 30
Blackberries 39	Gaillardia 26	Ornithogalum 11	
Bleeding Heart (see Dicentra)... 26	Garden Stakes 44	Oregon Grape (see Mahonia) 31	Tamarix 30
Boston Ivy (see Ampelopsis Veitchi) 34	Genista 28	Oxalis 13	Tree Pruners 44
Boxwood 31	Geum 26	Palms 19	Tritoma 27
Box Elder (see Maples) 32	Gooseberries 38	Peaches 36	Tulips .....6 to 10
Branch Shears 44	Grafting Knives... 44	Pears 37	Tulip Tree 32
Budding Knives 44	Grapes 40	Phlox 27	
Bulb Fiber 47	Grass Seeds 46	Pine 25	Veitchii (see Ampelopsis) 34
Buttercups 13	Gypsophila 26	Pinks 31	Violets 27
Butternuts 32	Hawthorn 29	Plant Stakes 44	Virginia Creeper (see Ampelopsis) 34
	Hemerocallis 26	Plums 36	
Calla Lily 14	Hickory Nuts 32	Poplar 32	Walnuts 32
Canterbury Bells.. 25	Holly 31	Poppy 27	Wall Flower 27
Catalpa 32	Hollyhock 26	Pots, Pot Labels... 44	Wistaria 34
Cedar 31	Hop Vines 41	Privet 31	Wonder Fertilizer.. 45
Cherries 36	Honeysuckle 34	Prunes 37	Weigelia 30
Chrysanthemum .. 25	Horseradish Roots. 41	Pruning Tools 44	
Chestnuts 32	Hyacinths .....4- 5		
Chinese Sacred Lily 14	Hypericum 26		
Climbing Vines..33- 34	Hydrangea 29		
Clematis .....33- 34	Iris 16		
Coreopsis 25	Ivy 34		
Cotoneaster 28			
Crab Apples 35			
Crocus 13			
Currants 38			
Cypress Evergreen 31			
C-M 45			

Yucca 31

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